Ontario Economic Accounts
Quarterly Time Series
1970-1981

Ontario

Ministry of Treasury and Economics

Statistical Services Branch

June 1983

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PREFACE

This report presents seasonally adjusted quarterly estimates of Gross Provincial Product, Gross Provincial Expenditure, Personal Saving and their main components for the 1970-1981 period.

The estimates for the years 1976 to 1980 in this report have been revised from those appearing in Ontario Economic Accounts, Quarterly Time Series, 1970-1980, published in August 1982. Data for the years up to 1969 are included in Ontario Economic Accounts, Quarterly Time Series, 1947-1975, published in August 1977. However, the two sets of estimates are not completely comparable due to methodological changes.

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INTRODUCTION

The estimation of national accounts data at the provincial level and on an annual basis has been carried out in Ontario since 1969, with data going back to 1947. Estimates of the various components of the Ontario Economic Accounts (OEA) are derived from the published Canadian National Accounts and related information available from Statistics Canada and other sources.

The quarterly estimates are derived from annual data by the application of quadratic minimization techniques, adjusted wherever possible on the basis of actual quarterly patterns exhibited by related series.

With the publication of annual Provincial Accounts (PA) by Statistics Canada since 1978, it was felt that data from this source should be used whenever possible in the OEA, for those items where no conceptional difference exists between OEA and PA. Therefore, since early 1981, data from the PA have been used in the OEA and the data have been revised accordingly back to 1970. Values of some of the items in the OEA, however, still differ from those in the PA because of certain basic conceptional differences.

There are three basic differences between the OEA and the PA:

1. While Gross Provincial Product (GPP) is estimated in the OEA, the PA provides estimates of Gross Domestic Product (GDP). GPP measures the income generated by Ontario residents regardless of where located, while GDP sums up the income generated within Ontario regardless of the ownership of the factors of production. To convert GDP to GPP, income generated outside Ontario by Ontario residents has to be added back and income generated in Ontario by non-residents must be deducted. As a result of this major difference, values of some of the items in the OEA are different from the PA and additional items have to be included in the Gross Provincial Expenditure (GPE) table in order to balance GPP and GPE. This is further explained in the DEFINITIONS section.

2. The federal government sector is treated as non-resident in the OEA while it is regarded as resident in the PA. Therefore, the GPP table of the OEA excludes federal government investment income from the item "Interest and miscellaneous investment income" and also excludes federal government capital consumption allowances from "Capital consumption allowances and miscellaneous valuation adjustments". In the GPE table of the OEA, current and capital expenditure of the federal government in Ontario is treated as exports of goods and services from Ontario to the federal government.

3. As a result of the different treatments of the federal government, the OEA's government sector refers to the sum of provincial and local governments plus hospitals. The government sector in the PA, on the other hand, also includes the federal government.

TABLES

This section presents the Ontario seasonally adjusted quarterly estimates together with the annual values for the 1970-1981 period for the following tables:

Table 1 Provincial Income and Gross Provincial Product (GPP Table)
Table 2 Gross Provincial Expenditure (GPE Table)
Table 3 Relation between Net Provincial Income at Factor Cost, Personal Income, Personal Disposable Income, and Personal Saving (SAVING Table)

Two factors should be noted when using these tables:

1. A recent review of the data sources and methodology used to derive supplementary labour income by Statistics Canada has resulted in an upward revision to the item "wages, salaries, and supplementary labour income" (WS) from 1971. Since this revision has been incorporated in the Ontario Economic Accounts at this time only from 1976, as is the case with Statistics Canada's Provincial Accounts, there is a break between the fourth quarter of 1975 and the first quarter of 1976 for those items which are affected by WS.

2. Individual items in these tables may not add to the total due to rounding.

TABLE 1 PROVINCIAL INCOME AND GROSS PROVINCIAL PRODUCT ($ MILLIONS,SEASONALLY ADJUSTED) - 1970

		QUARTERS				YEAR
		I	II	III	IV	
1	WAGES, SALARIES AND SUPPLEMENTARY LABOUR INCOME	4926.0	4996.0	5091.0	5169.0	20182.0
2	MILITARY PAY AND ALLOWANCES	68.8	69.1	69.4	69.8	277.0
3	CORPORATION PROFITS BEFORE TAXES	814.1	779.8	792.2	752.8	3139.0
4	DEDUCT:DIVIDENDS PAID TO NON-RESIDENTS	-142.6	-134.0	-136.9	-117.8	-531.4
5	INTEREST AND MISCELLANEOUS INVESTMENT INCOME	321.2	328.0	332.0	330.8	1312.0
6	ACCRUED NET INCOME OF FARM OPERATORS FROM FARM PRODUCTION	105.2	89.4	79.5	62.8	337.0
7	NET INCOME OF NON-FARM UNINCORPORATED BUSINESS INCLUDING RENT	555.7	556.9	567.0	578.4	2258.0
8	INVENTORY VALUATION ADJUSTMENT	-52.7	-25.3	-14.0	-21.1	-113.0
9	NET PROVINCIAL INCOME AT FACTOR COST	6595.7	6660.0	6780.1	6824.7	26860.6
10	INDIRECT TAXES LESS SUBSIDIES	1222.6	1243.3	1259.6	1253.5	4979.0
11	CAPITAL CONSUMPTION ALLOWANCES AND MISCELLANEOUS VALUATION ADJUSTMENTS	858.8	879.1	899.0	908.2	3545.0
12	RESIDUAL ERROR	22.3	59.5	71.0	25.0	177.8
13	GROSS PROVINCIAL PRODUCT AT MARKET PRICES	8699.3	8841.9	9009.7	9011.5	35562.4

TABLE 2 GROSS PROVINCIAL EXPENDITURE ($ MILLIONS, SEASONALLY ADJUSTED) -1970

		QUARTERS				YEAR
		I	II	III	IV	
1	PERSONAL EXPENDITURE ON CONSUMER GOODS AND SERVICES	4961.8	5042.3	5134.9	5166.9	20306.0
2	GOVERNMENT EXPENDITURE ON GOODS AND SERVICES:	1358.0	1410.0	1491.8	1521.2	5781.0
3	CURRENT EXPENDITURE	1116.2	1166.6	1245.2	1270.0	4798.0
4	CAPITAL EXPENDITURE	241.9	243.4	246.5	251.2	983.0
5	BUSINESS GROSS FIXED CAPITAL FORMATION:	1458.8	1438.2	1470.7	1506.3	5874.0
6	RESIDENTIAL CONSTRUCTION	353.0	344.0	367.0	425.0	1489.0
7	NON-RESIDENTIAL CONSTRUCTION	455.2	447.2	447.5	450.0	1800.0
8	MACHINERY AND EQUIPMENT	650.6	647.0	656.1	631.3	2585.0
9	VALUE OF PHYSICAL CHANGE IN INVENTORIES:	61.2	105.0	120.4	-137.6	149.0
10	NON-FARM	65.9	109.0	123.1	-136.9	161.0
11	FARM AND GRAIN IN COMMERCIAL CHANNELS	-4.7	-4.0	-2.7	-0.6	-12.0
12	EXPORTS OF GOODS AND SERVICES	2458.1	2488.6	2488.6	2494.7	9930.0
13	DEDUCT: IMPORTS OF GOODS AND SERVICES	-2034.0	-2080.4	-2080.3	-1979.3	-8174.0
14	EXPORTS OF GOODS AND SERVICES TO FEDERAL GOVERNMENT	521.4	561.1	520.5	534.0	2137.0
15	DEDUCT: FEDERAL GOVERNMENT INVESTMENT INCOME RECEIVED FROM ONTARIO	-83.8	-84.7	-86.4	-89.1	-344.0
16	DIVIDENDS RECEIVED FROM REST OF CANADA	62.9	67.3	64.9	60.6	255.6
17	DEDUCT: DIVIDENDS PAID TO REST OF CANADA	-42.9	-45.9	-44.3	-41.3	-174.4
18	RESIDUAL ERROR	-22.3	-59.5	-71.0	-25.0	-177.8
19	GROSS PROVINCIAL EXPENDITURE AT MARKET PRICES	8699.3	8841.9	9009.7	9011.5	35562.4
20	GROSS PROVINCIAL EXPENDITURE IN CONSTANT (1971) DOLLARS	9099.7	9181.6	9250.2	9158.0	36689.6

TABLE 3 RELATION BETWEEN NET PROVINCIAL INCOME AT FACTOR COST, PERSONAL INCOME, PERSONAL DISPOSABLE INCOME, AND PERSONAL SAVING ($ MILLIONS, SEASONALLY ADJUSTED) - 1970

		QUARTERS				YEAR
		I	II	III	IV	
1	NET PROVINCIAL INCOME AT FACTOR COST	6595.7	6660.0	6780.1	6824.7	26860.6
2	ADD: TRANSFER PAYMENTS	619.7	618.8	667.1	686.3	2592.0
3	INTEREST ON PUBLIC DEBT	301.4	311.0	312.8	324.8	1250.0
4	INTEREST ON CONSUMER DEBT	58.7	60.1	61.9	64.3	245.0
5	DEDUCT: EARNINGS NOT PAID OUT TO PERSONS	-733.9	-734.9	-760.2	-744.7	-2973.6
6	EQUALS: PERSONAL INCOME	6841.5	6915.1	7061.7	7155.6	27974.0
7	DEDUCT: PERSONAL DIRECT TAXES	-1199.0	-1280.9	-1270.2	-1312.0	-5062.0
8	OTHER CURRENT TRANSFERS TO GOVERNMENTS	-178.6	-177.0	-181.2	-186.1	-723.0
9	EQUALS: PERSONAL DISPOSABLE INCOME	5463.9	5457.2	5610.3	5657.5	22189.0
10	DEDUCT: PERSONAL EXPENDITURE ON CONSUMER GOODS AND SERVICES	-4961.8	-5042.3	-5134.9	-5166.9	-20306.0
11	TRANSFERS TO CORPORATIONS	-58.7	-60.1	-61.9	-64.3	-245.0
12	TRANSFERS TO NON-RESIDENTS	-14.1	-14.9	-15.7	-15.4	-60.0
13	EQUALS: PERSONAL SAVING	429.3	339.9	397.9	410.9	1578.0

TABLE 1 PROVINCIAL INCOME AND GROSS PROVINCIAL PRODUCT ($ MILLIONS, SEASONALLY ADJUSTED) - 1971

		QUARTERS				YEAR
		I	II	III	IV	
1	WAGES, SALARIES AND SUPPLEMENTARY LABOUR INCOME	5329.0	5535.0	5655.0	5785.0	22304.0
2	MILITARY PAY AND ALLOWANCES	70.3	71.2	72.4	74.0	288.0
3	CORPORATION PROFITS BEFORE TAXES	789.7	873.5	969.5	1014.2	3647.0
4	DEDUCT:DIVIDENDS PAID TO NON-RESIDENTS	-135.0	-139.6	-144.3	-184.9	-603.8
5	INTEREST AND MISCELLANEOUS INVESTMENT INCOME	343.2	350.6	352.7	390.4	1437.0
6	ACCRUED NET INCOME OF FARM OPERATORS FROM FARM PRODUCTION	108.3	82.9	73.1	89.7	354.0
7	NET INCOME OF NON-FARM UNINCORPORATED BUSINESS INCLUDING RENT	591.4	610.7	624.9	636.0	2463.0
8	INVENTORY VALUATION ADJUSTMENT	-74.8	-80.8	-72.7	-28.7	-257.0
9	NET PROVINCIAL INCOME AT FACTOR COST	7022.1	7303.6	7530.7	7775.8	29632.2
10	INDIRECT TAXES LESS SUBSIDIES	1292.8	1320.8	1361.1	1392.3	5367.0
11	CAPITAL CONSUMPTION ALLOWANCES AND MISCELLANEOUS VALUATION ADJUSTMENTS	929.8	942.2	964.3	977.7	3814.0
12	RESIDUAL ERROR	-0.1	-18.0	38.0	42.1	61.9
13	GROSS PROVINCIAL PRODUCT AT MARKET PRICES	9244.5	9548.6	9894.1	10187.8	38875.1

TABLE 2 GROSS PROVINCIAL EXPENDITURE ($ MILLIONS, SEASONALLY ADJUSTED) -1971

		QUARTERS				YEAR
		I	II	III	IV	
1	PERSONAL EXPENDITURE ON CONSUMER GOODS AND SERVICES	5310.8	5569.2	5665.5	5852.4	22398.0
2	GOVERNMENT EXPENDITURE ON GOODS AND SERVICES:	1489.1	1584.6	1627.9	1648.4	6350.0
3	CURRENT EXPENDITURE	1231.7	1320.7	1357.1	1370.4	5280.0
4	CAPITAL EXPENDITURE	257.4	263.9	270.8	277.9	1070.0
5	BUSINESS GROSS FIXED CAPITAL FORMATION:	1511.6	1560.7	1676.5	1730.2	6479.0
6	RESIDENTIAL CONSTRUCTION	440.0	489.0	551.0	569.0	2049.0
7	NON-RESIDENTIAL CONSTRUCTION	452.9	437.1	484.7	499.3	1874.0
8	MACHINERY AND EQUIPMENT	618.8	634.6	640.8	661.8	2556.0
9	VALUE OF PHYSICAL CHANGE IN INVENTORIES:	-26.2	-34.5	40.8	160.9	141.0
10	NON-FARM	-28.3	-37.4	38.9	161.8	135.0
11	FARM AND GRAIN IN COMMERCIAL CHANNELS	2.1	2.9	1.9	-0.9	6.0
12	EXPORTS OF GOODS AND SERVICES	2536.9	2556.9	2742.0	2679.3	10515.0
13	DEDUCT: IMPORTS OF GOODS AND SERVICES	-2065.4	-2210.9	-2336.6	-2388.1	-9001.0
14	EXPORTS OF GOODS AND SERVICES TO FEDERAL GOVERNMENT	565.4	586.7	601.7	636.2	2390.0
15	DEDUCT: FEDERAL GOVERNMENT INVESTMENT INCOME RECEIVED FROM ONTARIO	-92.6	-96.3	-100.4	-104.7	-394.0
16	DIVIDENDS RECEIVED FROM REST OF CANADA	59.2	57.6	59.5	62.3	238.6
17	DEDUCT: DIVIDENDS PAID TO REST OF CANADA	-44.6	-43.3	-44.8	-46.9	-179.6
18	RESIDUAL ERROR	0.1	18.0	-38.0	-42.1	-62.0
19	GROSS PROVINCIAL EXPENDITURE AT MARKET PRICES	9244.5	9548.6	9894.1	10187.8	38875.1
20	GROSS PROVINCIAL EXPENDITURE IN CONSTANT (1971) DOLLARS	9404.4	9577.4	9874.3	10007.7	38863.8

TABLE 3 RELATION BETWEEN NET PROVINCIAL INCOME AT FACTOR COST, PERSONAL INCOME, PERSONAL DISPOSABLE INCOME, AND PERSONAL SAVING ($ MILLIONS, SEASONALLY ADJUSTED) - 1971

		QUARTERS				YEAR
		I	II	III	IV	
1	NET PROVINCIAL INCOME AT FACTOR COST	7021.1	7303.6	7530.7	7775.8	29632.2
2	ADD: TRANSFER PAYMENTS	746.6	740.7	783.9	797.8	3069.0
3	INTEREST ON PUBLIC DEBT	327.9	326.7	349.3	357.0	1361.0
4	INTEREST ON CONSUMER DEBT	58.2	61.4	63.7	65.6	249.0
5	DEDUCT: EARNINGS NOT PAID OUT TO PERSONS	-712.8	-787.1	-897.4	-947.8	-3345.2
6	EQUALS: PERSONAL INCOME	7442.0	7645.3	7830.2	8048.4	30966.0
7	DEDUCT: PERSONAL DIRECT TAXES	-1346.8	-1399.2	-1443.8	-1473.2	-5663.0
8	OTHER CURRENT TRANSFERS TO GOVERNMENTS	-189.4	-184.9	-183.3	-178.4	-736.0
9	EQUALS: PERSONAL DISPOSABLE INCOME	5905.9	6061.2	6203.1	6396.8	24567.0
10	DEDUCT: PERSONAL EXPENDITURE ON CONSUMER GOODS AND SERVICES	-5310.8	-5569.2	-5665.5	-5852.4	-22398.0
11	TRANSFERS TO CORPORATIONS	-58.2	-61.4	-63.7	-65.6	-249.0
12	TRANSFERS TO NON-RESIDENTS	-14.3	-15.1	-15.8	-15.8	-61.0
13	EQUALS: PERSONAL SAVING	522.5	415.5	458.0	462.9	1859.0

TABLE 1 PROVINCIAL INCOME AND GROSS PROVINCIAL PRODUCT ($ MILLIONS, SEASONALLY ADJUSTED) - 1972

		QUARTERS				YEAR
		I	II	III	IV	
1	WAGES, SALARIES AND SUPPLEMENTARY LABOUR INCOME	5957.0	6140.0	6286.0	6505.0	24888.0
2	MILITARY PAY AND ALLOWANCES	75.8	77.7	79.4	81.1	314.0
3	CORPORATION PROFITS BEFORE TAXES	1066.8	1129.3	1155.0	1250.9	4602.0
4	DEDUCT:DIVIDENDS PAID TO NON-RESIDENTS	-171.2	-100.0	-181.8	-213.1	-746.1
5	INTEREST AND MISCELLANEOUS INVESTMENT INCOME	433.3	461.0	473.0	494.7	1862.0
6	ACCRUED NET INCOME OF FARM OPERATORS FROM FARM PRODUCTION	118.4	126.0	95.1	101.4	441.0
7	NET INCOME OF NON-FARM UNINCORPORATED BUSINESS INCLUDING RENT	628.8	636.9	640.1	641.1	2547.0
8	INVENTORY VALUATION ADJUSTMENT	-105.4	-55.9	-88.7	-145.0	-395.0
9	NET PROVINCIAL INCOME AT FACTOR COST	8003.6	8335.1	8458.2	8716.1	33512.9
10	INDIRECT TAXES LESS SUBSIDIES	1467.5	1480.4	1517.4	1570.6	6036.0
11	CAPITAL CONSUMPTION ALLOWANCES AND MISCELLANEOUS VALUATION ADJUSTMENTS	1002.9	1016.0	1041.9	1091.1	4152.0
12	RESIDUAL ERROR	-67.3	-48.0	33.8	-4.4	-85.8
13	GROSS PROVINCIAL PRODUCT AT MARKET PRICES	10406.8	10783.5	11051.3	11373.4	43615.0

TABLE 2 GROSS PROVINCIAL EXPENDITURE ($ MILLIONS.SEASONALLY ADJUSTED) -1972

		QUARTERS				YEAR
		I	II	III	IV	
1	PERSONAL EXPENDITURE ON CONSUMER GOODS AND SERVICES	6004.4	6178.9	6354.4	6532.2	25070.0
2	GOVERNMENT EXPENDITURE ON GOODS AND SERVICES:	1683.0	1712.6	1790.8	1798.5	6985.0
3	CURRENT EXPENDITURE	1397.6	1423.2	1500.8	1511.4	5833.0
4	CAPITAL EXPENDITURE	285.4	289.5	290.0	287.1	1152.0
5	BUSINESS GROSS FIXED CAPITAL FORMATION:	1765.3	1813.3	1873.3	1893.1	7345.0
6	RESIDENTIAL CONSTRUCTION	565.0	608.0	700.0	694.0	2567.0
7	NON-RESIDENTIAL CONSTRUCTION	531.2	525.9	494.0	507.9	2059.0
8	MACHINERY AND EQUIPMENT	669.1	679.3	679.4	691.2	2719.0
9	VALUE OF PHYSICAL CHANGE IN INVENTORIES:	66.8	151.1	142.8	109.3	470.0
10	NON-FARM	72.4	158.4	148.9	111.2	491.0
11	FARM AND GRAIN IN COMMERCIAL CHANNELS	-5.6	-7.3	-6.1	-2.0	-21.0
12	EXPORTS OF GOODS AND SERVICES	2680.3	2848.2	2936.3	3162.1	11627.0
13	DEDUCT: IMPORTS OF GOODS AND SERVICES	-2390.6	-2519.4	-2582.8	-2720.1	-10213.0
14	EXPORTS OF GOODS AND SERVICES TO FEDERAL GOVERNMENT	615.5	639.1	661.9	690.5	2607.0
15	DEDUCT: FEDERAL GOVERNMENT INVESTMENT INCOME RECEIVED FROM ONTARIO	-109.4	-114.2	-119.1	-124.3	-467.0
16	DIVIDENDS RECEIVED FROM REST OF CANADA	99.2	106.5	112.7	114.9	433.3
17	DEDUCT: DIVIDENDS PAID TO REST OF CANADA	-75.1	-80.6	-85.3	-87.0	-328.1
18	RESIDUAL ERROR	67.3	48.0	-33.8	4.4	85.8
19	GROSS PROVINCIAL EXPENDITURE AT MARKET PRICES	10406.8	10783.5	11051.3	11373.4	43615.0
20	GROSS PROVINCIAL EXPENDITURE IN CONSTANT (1971) DOLLARS	10093.9	10378.7	10485.1	10579.9	41537.7

TABLE 3 RELATION BETWEEN NET PROVINCIAL INCOME AT FACTOR COST, PERSONAL INCOME, PERSONAL DISPOSABLE INCOME, AND PERSONAL SAVING ($ MILLIONS, SEASONALLY ADJUSTED) - 1972

			QUARTERS				YEAR
			I	II	III	IV	
1	NET PROVINCIAL INCOME AT FACTOR COST		8003.6	8335.1	8458.2	8716.1	33512.9
2	ADD:	TRANSFER PAYMENTS	809.7	871.3	882.0	891.0	3454.0
3		INTEREST ON PUBLIC DEBT	382.9	375.1	395.8	405.3	1559.0
4		INTEREST ON CONSUMER DEBT	62.0	66.0	68.8	70.2	267.0
5	DEDUCT:	EARNINGS NOT PAID OUT TO PERSONS	-914.5	-1015.8	-1012.8	-1027.8	-3970.9
6	EQUALS:	PERSONAL INCOME	8343.7	8631.6	8792.0	9054.7	34822.0
7	DEDUCT:	PERSONAL DIRECT TAXES	-1482.7	-1540.0	-1612.8	-1634.6	-6270.0
8		OTHER CURRENT TRANSFERS TO GOVERNMENTS	-164.5	-166.5	-162.4	-165.6	-659.0
9	EQUALS:	PERSONAL DISPOSABLE INCOME	6696.5	6925.1	7016.9	7254.6	27093.0
10	DEDUCT:	PERSONAL EXPENDITURE ON CONSUMER GOODS AND SERVICES	-6004.4	-6178.9	-6354.4	-6532.2	-25070.0
11		TRANSFERS TO CORPORATIONS	-62.0	-66.0	-68.8	-70.2	-267.0
12		TRANSFERS TO NON-RESIDENTS	-15.8	-15.8	-15.8	-16.6	-64.0
13	EQUALS:	PERSONAL SAVING	614.3	664.3	577.8	635.6	2492.0

TABLE 1 PROVINCIAL INCOME AND GROSS PROVINCIAL PRODUCT ($ MILLIONS, SEASONALLY ADJUSTED) - 1973

		QUARTERS				YEAR
		I	II	III	IV	
1	WAGES, SALARIES AND SUPPLEMENTARY LABOUR INCOME	6751.0	7027.0	7193.0	7565.0	28536.0
2	MILITARY PAY AND ALLOWANCES	82.7	84.5	86.4	88.4	342.0
3	CORPORATION PROFITS BEFORE TAXES	1390.9	1458.0	1591.8	1800.3	6241.0
4	DEDUCT:DIVIDENDS PAID TO NON-RESIDENTS	-218.9	-230.6	-245.9	-239.7	-935.1
5	INTEREST AND MISCELLANEOUS INVESTMENT INCOME	503.5	532.5	557.3	588.7	2182.0
6	ACCRUED NET INCOME OF FARM OPERATORS FROM FARM PRODUCTION	135.5	147.6	138.1	168.8	590.0
7	NET INCOME OF NON-FARM UNINCORPORATED BUSINESS INCLUDING RENT	662.9	676.9	683.8	687.4	2711.0
8	INVENTORY VALUATION ADJUSTMENT	-204.6	-239.6	-259.8	-314.9	-1019.0
9	NET PROVINCIAL INCOME AT FACTOR COST	9102.9	9456.3	9744.6	10344.1	38647.9
10	INDIRECT TAXES LESS SUBSIDIES	1667.6	1689.2	1731.2	1784.0	6872.0
11	CAPITAL CONSUMPTION ALLOWANCES AND MISCELLANEOUS VALUATION ADJUSTMENTS	1134.5	1181.8	1232.4	1277.3	4826.0
12	RESIDUAL ERROR	24.1	-30.1	18.5	63.4	76.0
13	GROSS PROVINCIAL PRODUCT AT MARKET PRICES	11929.1	12297.2	12726.6	13468.8	50421.9

TABLE 2 GROSS PROVINCIAL EXPENDITURE ($ MILLIONS,SEASONALLY ADJUSTED) -1973

		QUARTERS				YEAR
		I	II	III	IV	
1	PERSONAL EXPENDITURE ON CONSUMER GOODS AND SERVICES	6805.0	6937.8	7190.6	7487.6	28421.0
2	GOVERNMENT EXPENDITURE ON GOODS AND SERVICES:	1796.6	1852.8	1911.9	1996.7	7558.0
3	CURRENT EXPENDITURE	1515.9	1570.1	1618.6	1684.4	6389.0
4	CAPITAL EXPENDITURE	280.7	282.8	293.3	312.3	1169.0
5	BUSINESS GROSS FIXED CAPITAL FORMATION:	1983.0	2184.2	2312.3	2502.5	8982.0
6	RESIDENTIAL CONSTRUCTION	677.0	807.0	874.0	943.0	3301.0
7	NON-RESIDENTIAL CONSTRUCTION	528.4	552.4	561.2	608.1	2250.0
8	MACHINERY AND EQUIPMENT	777.6	824.8	877.1	951.4	3431.0
9	VALUE OF PHYSICAL CHANGE IN INVENTORIES:	188.5	120.5	144.1	217.9	671.0
10	NON-FARM	183.4	111.2	133.5	209.0	637.0
11	FARM AND GRAIN IN COMMERCIAL CHANNELS	5.1	9.3	10.6	8.9	34.0
12	EXPORTS OF GOODS AND SERVICES	3442.5	3499.3	3544.1	3828.1	14314.0
13	DEDUCT: IMPORTS OF GOODS AND SERVICES	-2873.2	-2949.2	-3033.8	-3243.8	-12100.0
14	EXPORTS OF GOODS AND SERVICES TO FEDERAL GOVERNMENT	699.9	714.2	771.2	838.8	3024.0
15	DEDUCT: FEDERAL GOVERNMENT INVESTMENT INCOME RECEIVED FROM ONTARIO	-129.6	-135.2	-141.0	-147.1	-553.0
16	DIVIDENDS RECEIVED FROM REST OF CANADA	139.5	147.3	157.4	177.6	621.6
17	DEDUCT: DIVIDENDS PAID TO REST OF CANADA	-98.9	-104.4	-111.6	-125.9	-440.8
18	RESIDUAL ERROR	-24.1	30.1	-18.5	-63.4	-76.0
19	GROSS PROVINCIAL EXPENDITURE AT MARKET PRICES	11929.1	12297.2	12726.6	13468.8	50421.9
20	GROSS PROVINCIAL EXPENDITURE IN CONSTANT (1971) DOLLARS	10864.4	10901.8	10999.7	11224.0	43990.0

TABLE 3 RELATION BETWEEN NET PROVINCIAL INCOME AT FACTOR COST, PERSONAL INCOME, PERSONAL DISPOSABLE INCOME, AND PERSONAL SAVING ($ MILLIONS, SEASONALLY ADJUSTED) - 1973

		QUARTERS				YEAR
		I	II	III	IV	
1	NET PROVINCIAL INCOME AT FACTOR COST	9102.9	9456.3	9744.6	10344.1	38647.9
2	ADD: TRANSFER PAYMENTS	898.2	945.9	960.7	1017.2	3822.0
3	INTEREST ON PUBLIC DEBT	431.0	458.0	469.8	467.2	1826.0
4	INTEREST ON CONSUMER DEBT	76.2	85.7	95.2	109.9	367.0
5	DEDUCT: EARNINGS NOT PAID OUT TO PERSONS	-1089.0	-1118.4	-1209.1	-1362.3	-4778.9
6	EQUALS: PERSONAL INCOME	9419.2	9827.4	10061.1	10576.2	39884.0
7	DEDUCT: PERSONAL DIRECT TAXES	-1778.7	-1743.3	-1723.5	-1847.5	-7093.0
8	OTHER CURRENT TRANSFERS TO GOVERNMENTS	-175.0	-165.1	-172.4	-174.5	-687.0
9	EQUALS: PERSONAL DISPOSABLE INCOME	7465.5	7919.1	8165.2	8554.2	32104.0
10	DEDUCT: PERSONAL EXPENDITURE ON CONSUMER GOODS AND SERVICES	-6805.0	-6937.8	-7190.6	-7487.6	-28421.0
11	TRANSFERS TO CORPORATIONS	-76.2	-85.7	-95.2	-109.9	-367.0
12	TRANSFERS TO NON-RESIDENTS	-20.2	-20.2	-20.2	-20.5	-81.0
13	EQUALS: PERSONAL SAVING	564.1	875.4	859.3	936.2	3235.0

TABLE 1 PROVINCIAL INCOME AND GROSS PROVINCIAL PRODUCT ($ MILLIONS, SEASONALLY ADJUSTED) - 1974

		QUARTERS				YEAR
		I	II	III	IV	
1	WAGES, SALARIES AND SUPPLEMENTARY LABOUR INCOME	7907.0	8201.0	8576.0	8935.0	33619.0
2	MILITARY PAY AND ALLOWANCES	90.6	92.8	94.8	96.8	375.0
3	CORPORATION PROFITS BEFORE TAXES	2036.7	2130.6	2148.7	1984.0	8300.0
4	DEDUCT:DIVIDENDS PAID TO NON-RESIDENTS	-283.0	-296.6	-306.8	-346.9	-1233.3
5	INTEREST AND MISCELLANEOUS INVESTMENT INCOME	622.7	691.5	709.9	735.9	2760.0
6	ACCRUED NET INCOME OF FARM OPERATORS FROM FARM PRODUCTION	184.8	153.7	205.9	190.6	735.0
7	NET INCOME OF NON-FARM UNINCORPORATED BUSINESS INCLUDING RENT	693.3	696.1	696.7	698.9	2785.0
8	INVENTORY VALUATION ADJUSTMENT	-448.3	-546.5	-526.3	-501.8	-2023.0
9	NET PROVINCIAL INCOME AT FACTOR COST	10803.8	11122.6	11599.0	11792.4	45317.7
10	INDIRECT TAXES LESS SUBSIDIES	1990.9	1957.8	1990.2	1940.1	7879.0
11	CAPITAL CONSUMPTION ALLOWANCES AND MISCELLANEOUS VALUATION ADJUSTMENTS	1352.1	1409.0	1470.6	1520.2	5752.0
12	RESIDUAL ERROR	107.8	125.8	-46.5	93.4	280.5
13	GROSS PROVINCIAL PRODUCT AT MARKET PRICES	14254.5	14615.3	15013.3	15346.1	59229.2

TABLE 2 GROSS PROVINCIAL EXPENDITURE ($ MILLIONS,SEASONALLY ADJUSTED) -1974

		QUARTERS				YEAR
		I	II	III	IV	
1	PERSONAL EXPENDITURE ON CONSUMER GOODS AND SERVICES	7845.8	8175.2	8296.6	8573.4	32891.0
2	GOVERNMENT EXPENDITURE ON GOODS AND SERVICES:	2121.3	2169.4	2298.9	2407.4	8997.0
3	CURRENT EXPENDITURE	1781.5	1807.0	1918.6	2013.9	7521.0
4	CAPITAL EXPENDITURE	339.7	362.4	380.3	393.5	1476.0
5	BUSINESS GROSS FIXED CAPITAL FORMATION:	2659.8	2717.6	2727.4	2678.2	10783.0
6	RESIDENTIAL CONSTRUCTION	1013.0	998.0	952.0	846.0	3809.0
7	NON-RESIDENTIAL CONSTRUCTION	649.9	703.6	710.2	713.2	2777.0
8	MACHINERY AND EQUIPMENT	997.0	1015.9	1065.2	1118.9	4197.0
9	VALUE OF PHYSICAL CHANGE IN INVENTORIES:	400.0	419.0	358.8	536.2	1714.0
10	NON-FARM	395.6	414.9	350.7	519.8	1681.0
11	FARM AND GRAIN IN COMMERCIAL CHANNELS	4.4	4.1	8.1	16.4	33.0
12	EXPORTS OF GOODS AND SERVICES	4054.2	4134.8	4400.1	4421.9	17011.0
13	DEDUCT: IMPORTS OF GOODS AND SERVICES	-3448.7	-3606.2	-3882.9	-3979.2	-14917.0
14	EXPORTS OF GOODS AND SERVICES TO FEDERAL GOVERNMENT	847.0	853.4	896.0	933.6	3530.0
15	DEDUCT: FEDERAL GOVERNMENT INVESTMENT INCOME RECEIVED FROM ONTARIO	-153.4	-160.6	-168.6	-177.4	-660.0
16	DIVIDENDS RECEIVED FROM REST OF CANADA	162.5	172.0	180.9	203.0	718.5
17	DEDUCT: DIVIDENDS PAID TO REST OF CANADA	-126.2	-133.5	-140.4	-157.5	-557.7
18	RESIDUAL ERROR	-107.8	-125.8	46.5	-93.4	-280.5
19	GROSS PROVINCIAL EXPENDITURE AT MARKET PRICES	14254.5	14615.3	15013.3	15346.1	59229.2
20	GROSS PROVINCIAL EXPENDITURE IN CONSTANT (1971) DOLLARS	11431.1	11208.1	11104.5	11120.4	44864.0

TABLE 3 RELATION BETWEEN NET PROVINCIAL INCOME AT FACTOR COST, PERSONAL INCOME, PERSONAL DISPOSABLE INCOME, AND PERSONAL SAVING ($ MILLIONS, SEASONALLY ADJUSTED) - 1974

		QUARTERS				
		I	II	III	IV	YEAR
1	NET PROVINCIAL INCOME AT FACTOR COST	10803.8	11122.6	11599.0	11792.4	45317.7
2	ADD: TRANSFER PAYMENTS	1087.5	1134.6	1206.8	1281.1	4710.0
3	INTEREST ON PUBLIC DEBT	481.3	521.1	546.4	568.2	2117.0
4	INTEREST ON CONSUMER DEBT	125.6	132.4	151.6	157.4	567.0
5	DEDUCT: EARNINGS NOT PAID OUT TO PERSONS	-1430.5	-1450.4	-1477.7	-1293.1	-5651.7
6	EQUALS: PERSONAL INCOME	11067.7	11460.3	12026.1	12505.9	47060.0
7	DEDUCT: PERSONAL DIRECT TAXES	-1925.2	-2104.1	-2166.3	-2273.4	-8469.0
8	OTHER CURRENT TRANSFERS TO GOVERNMENTS	-187.0	-185.2	-181.5	-184.2	-738.0
9	EQUALS: PERSONAL DISPOSABLE INCOME	8955.4	9170.9	9678.3	10048.3	37853.0
10	DEDUCT: PERSONAL EXPENDITURE ON CONSUMER GOODS AND SERVICES	-7845.8	-8175.2	-8296.6	-8573.4	-32891.0
11	TRANSFERS TO CORPORATIONS	-125.6	-132.4	-151.6	-157.4	-567.0
12	TRANSFERS TO NON-RESIDENTS	-20.8	-20.8	-21.2	-21.3	-84.0
13	EQUALS: PERSONAL SAVING	963.2	842.6	1208.9	1296.2	4311.0

TABLE 1 PROVINCIAL INCOME AND GROSS PROVINCIAL PRODUCT ($ MILLIONS,SEASONALLY ADJUSTED) - 1975

		QUARTERS				YEAR
		I	II	III	IV	
1	WAGES, SALARIES AND SUPPLEMENTARY LABOUR INCOME	9170.0	9460.0	9755.0	10058.0	38443.0
2	MILITARY PAY AND ALLOWANCES	98.7	100.8	103.0	105.5	408.0
3	CORPORATION PROFITS BEFORE TAXES	1820.3	1788.9	1866.6	1921.2	7405.0
4	DEDUCT:DIVIDENDS PAID TO NON-RESIDENTS	-275.1	-256.0	-291.1	-291.9	-1114.1
5	INTEREST AND MISCELLANEOUS INVESTMENT INCOME	689.7	644.2	724.2	727.9	2786.0
6	ACCRUED NET INCOME OF FARM OPERATORS FROM FARM PRODUCTION	157.9	259.7	245.8	215.5	879.0
7	NET INCOME OF NON-FARM UNINCORPORATED BUSINESS INCLUDING RENT	721.1	746.2	771.0	799.7	3038.0
8	INVENTORY VALUATION ADJUSTMENT	-341.1	-361.7	-372.2	-292.9	-1368.0
9	NET PROVINCIAL INCOME AT FACTOR COST	12049.5	12382.0	12802.4	13243.0	50476.9
10	INDIRECT TAXES LESS SUBSIDIES	1926.2	1878.8	1921.7	2004.3	7731.0
11	CAPITAL CONSUMPTION ALLOWANCES AND MISCELLANEOUS VALUATION ADJUSTMENTS	1555.9	1619.4	1649.6	1711.1	6527.0
12	RESIDUAL ERROR	17.1	14.1	12.7	22.7	66.6
13	GROSS PROVINCIAL PRODUCT AT MARKET PRICES	15548.6	15885.3	16386.5	16981.0	64801.5

TABLE 2 GROSS PROVINCIAL EXPENDITURE ($ MILLIONS,SEASONALLY ADJUSTED) -1975

		QUARTERS				YEAR
		I	II	III	IV	
1	PERSONAL EXPENDITURE ON CONSUMER GOODS AND SERVICES	8843.4	9151.3	9572.7	10042.5	37610.0
2	GOVERNMENT EXPENDITURE ON GOODS AND SERVICES:	2573.2	2676.1	2734.4	2820.3	10804.0
3	CURRENT EXPENDITURE	2171.3	2270.8	2330.7	2423.1	9196.0
4	CAPITAL EXPENDITURE	401.9	405.3	403.7	397.1	1608.0
5	BUSINESS GROSS FIXED CAPITAL FORMATION:	2811.2	2937.8	3164.5	3076.5	11990.0
6	RESIDENTIAL CONSTRUCTION	799.0	878.0	975.0	1018.0	3670.0
7	NON-RESIDENTIAL CONSTRUCTION	822.8	830.3	927.4	848.5	3429.0
8	MACHINERY AND EQUIPMENT	1189.5	1229.5	1262.1	1210.0	4891.0
9	VALUE OF PHYSICAL CHANGE IN INVENTORIES:	267.2	-50.5	-214.8	-206.9	-205.0
10	NON-FARM	238.2	-83.1	-242.1	-219.9	-307.0
11	FARM AND GRAIN IN COMMERCIAL CHANNELS	29.0	32.6	27.3	13.0	102.0
12	EXPORTS OF GOODS AND SERVICES	4198.5	4318.1	4373.7	4661.7	17552.0
13	DEDUCT: IMPORTS OF GOODS AND SERVICES	-3947.1	-3984.6	-4113.0	-4278.3	-16323.0
14	EXPORTS OF GOODS AND SERVICES TO FEDERAL GOVERNMENT	945.3	989.8	1025.9	1044.0	4005.0
15	DEDUCT: FEDERAL GOVERNMENT INVESTMENT INCOME RECEIVED FROM ONTARIO	-187.0	-196.2	-204.8	-213.0	-801.0
16	DIVIDENDS RECEIVED FROM REST OF CANADA	176.9	167.1	175.7	164.7	684.4
17	DEDUCT: DIVIDENDS PAID TO REST OF CANADA	-115.9	-109.5	-115.1	-107.9	-448.4
18	RESIDUAL ERROR	-17.1	-14.1	-12.7	-22.7	-66.6
19	GROSS PROVINCIAL EXPENDITURE AT MARKET PRICES	15548.6	15885.3	16386.5	16981.0	64801.5
20	GROSS PROVINCIAL EXPENDITURE IN CONSTANT (1971) DOLLARS	11035.2	11046.8	11049.6	11164.4	44296.0

TABLE 3 RELATION BETWEEN NET PROVINCIAL INCOME AT FACTOR COST, PERSONAL INCOME, PERSONAL DISPOSABLE INCOME, AND PERSONAL SAVING ($ MILLIONS, SEASONALLY ADJUSTED) - 1975

		QUARTERS				YEAR
		I	II	III	IV	
1	NET PROVINCIAL INCOME AT FACTOR COST	12049.5	12382.0	12802.4	13243.0	50476.9
2	ADD: TRANSFER PAYMENTS	1366.1	1465.4	1532.7	1562.9	5927.0
3	INTEREST ON PUBLIC DEBT	576.2	615.1	639.6	687.0	2518.0
4	INTEREST ON CONSUMER DEBT	154.0	148.3	146.5	147.2	596.0
5	DEDUCT: EARNINGS NOT PAID OUT TO PERSONS	-1381.6	-1306.9	-1388.5	-1538.9	-5615.9
6	EQUALS: PERSONAL INCOME	12764.2	13303.9	13732.7	14101.1	53902.0
7	DEDUCT: PERSONAL DIRECT TAXES	-2249.6	-2292.1	-2420.1	-2440.2	-9402.0
8	OTHER CURRENT TRANSFERS TO GOVERNMENTS	-177.1	-194.1	-186.0	-172.8	-730.0
9	EQUALS: PERSONAL DISPOSABLE INCOME	10337.4	10817.8	11126.6	11488.1	43770.0
10	DEDUCT: PERSONAL EXPENDITURE ON CONSUMER GOODS AND SERVICES	-8843.4	-9151.3	-9572.7	-10042.5	-37610.0
11	TRANSFERS TO CORPORATIONS	-154.0	-148.3	-146.5	-147.2	-596.0
12	TRANSFERS TO NON-RESIDENTS	-22.1	-22.5	-22.1	-22.4	-89.0
13	EQUALS: PERSONAL SAVING	1318.0	1495.6	1385.3	1276.0	5475.0

TABLE 1 PROVINCIAL INCOME AND GROSS PROVINCIAL PRODUCT ($ MILLIONS, SEASONALLY ADJUSTED) -- 1976

		QUARTERS				YEAR
		I	II	III	IV	
1	WAGES, SALARIES AND SUPPLEMENTARY LABOUR INCOME	10708.0	11070.0	11354.0	11688.0	44820.0
2	MILITARY PAY AND ALLOWANCES	108.1	110.7	113.0	115.1	447.0
3	CORPORATION PROFITS BEFORE TAXES	1831.3	1929.7	1930.4	1764.7	7456.0
4	DEDUCT:DIVIDENDS PAID TO NON-RESIDENTS	-228.2	-240.5	-249.2	-248.8	-966.8
5	INTEREST AND MISCELLANEOUS INVESTMENT INCOME	805.5	828.3	867.8	949.5	3451.0
6	ACCRUED NET INCOME OF FARM OPERATORS FROM FARM PRODUCTION	148.2	192.3	165.9	189.5	696.0
7	NET INCOME OF NON-FARM UNINCORPORATED BUSINESS INCLUDING RENT	790.9	812.4	822.2	832.5	3258.0
8	INVENTORY VALUATION ADJUSTMENT	-198.0	-187.3	-206.6	-298.1	-890.0
9	NET PROVINCIAL INCOME AT FACTOR COST	13965.8	14515.5	14797.5	14992.3	58271.1
10	INDIRECT TAXES LESS SUBSIDIES	2249.7	2346.1	2379.1	2412.1	9387.0
11	CAPITAL CONSUMPTION ALLOWANCES AND MISCELLANEOUS VALUATION ADJUSTMENTS	1773.8	1807.6	1862.0	1906.6	7350.0
12	RESIDUAL ERROR	-207.2	-215.5	-112.2	-94.9	-629.9
13	GROSS PROVINCIAL PRODUCT AT MARKET PRICES	17782.1	18453.7	18926.4	19216.0	74378.2

TABLE 2 GROSS PROVINCIAL EXPENDITURE ($ MILLIONS,SEASONALLY ADJUSTED) -1976

		QUARTERS				YEAR
		I	II	III	IV	
1	PERSONAL EXPENDITURE ON CONSUMER GOODS AND SERVICES	10053.5	10533.4	10778.2	11156.0	42521.0
2	GOVERNMENT EXPENDITURE ON GOODS AND SERVICES:	2886.5	2852.4	3095.1	2992.0	11826.0
3	CURRENT EXPENDITURE	2500.9	2473.1	2717.0	2609.9	10301.0
4	CAPITAL EXPENDITURE	385.6	379.3	378.1	382.0	1525.0
5	BUSINESS GROSS FIXED CAPITAL FORMATION:	3075.7	3277.6	3210.8	3201.9	12766.0
6	RESIDENTIAL CONSTRUCTION	1003.0	1130.0	1146.0	1073.0	4352.0
7	NON-RESIDENTIAL CONSTRUCTION	849.8	875.5	817.6	786.1	3329.0
8	MACHINERY AND EQUIPMENT	1223.0	1272.0	1247.2	1342.8	5085.0
9	VALUE OF PHYSICAL CHANGE IN INVENTORIES:	211.2	61.0	89.4	30.4	392.0
10	NON-FARM	221.4	84.1	115.1	48.3	469.0
11	FARM AND GRAIN IN COMMERCIAL CHANNELS	-10.2	-23.1	-25.7	-17.9	-77.0
12	EXPORTS OF GOODS AND SERVICES	4792.5	5097.1	5299.7	5333.7	20523.0
13	DEDUCT: IMPORTS OF GOODS AND SERVICES	-4500.6	-4653.7	-4697.9	-4696.7	-18549.0
14	EXPORTS OF GOODS AND SERVICES TO FEDERAL GOVERNMENT	1086.0	1100.9	1070.1	1136.9	4394.0
15	DEDUCT: FEDERAL GOVERNMENT INVESTMENT INCOME RECEIVED FROM ONTARIO	-220.7	-227.8	-234.3	-240.3	-923.0
16	DIVIDENDS RECEIVED FROM REST OF CANADA	116.3	114.8	124.0	117.7	472.8
17	DEDUCT: DIVIDENDS PAID TO REST OF CANADA	-81.5	-80.5	-86.9	-82.5	-331.5
18	RESIDUAL ERROR	363.2	378.5	278.2	266.9	1286.9
19	GROSS PROVINCIAL EXPENDITURE AT MARKET PRICES	17782.1	18453.7	18926.4	19216.0	74378.2
20	GROSS PROVINCIAL EXPENDITURE IN CONSTANT (1971) DOLLARS	11495.6	11592.5	11714.2	11625.8	46428.1

TABLE 3 RELATION BETWEEN NET PROVINCIAL INCOME AT FACTOR COST, PERSONAL INCOME, PERSONAL DISPOSABLE INCOME, AND PERSONAL SAVING ($ MILLIONS, SEASONALLY ADJUSTED) - 1976

			QUARTERS				YEAR
			I	II	III	IV	
1	NET PROVINCIAL INCOME AT FACTOR COST		13965.8	14515.5	14797.5	14992.3	58271.1
2	ADD:	TRANSFER PAYMENTS	1629.4	1582.5	1608.8	1653.2	6474.0
3		INTEREST ON PUBLIC DEBT	709.7	742.6	773.8	795.8	3022.0
4		INTEREST ON CONSUMER DEBT	151.8	161.0	169.2	171.0	653.0
5	DEDUCT:	EARNINGS NOT PAID OUT TO PERSONS	-1679.5	-1786.5	-1773.4	-1564.7	-6804.1
6	EQUALS:	PERSONAL INCOME	14777.2	15215.2	15575.9	16047.7	61616.0
7	DEDUCT:	PERSONAL DIRECT TAXES	-2612.9	-2616.0	-2754.3	-2880.8	-10864.0
8		OTHER CURRENT TRANSFERS TO GOVERNMENTS	-221.9	-218.8	-253.1	-275.1	-969.0
9	EQUALS:	PERSONAL DISPOSABLE INCOME	11942.4	12380.4	12568.5	12891.7	49783.0
10	DEDUCT:	PERSONAL EXPENDITURE ON CONSUMER GOODS AND SERVICES	-10053.5	-10533.4	-10778.2	-11156.0	-42521.0
11		TRANSFERS TO CORPORATIONS	-151.8	-161.0	-169.2	-171.0	-653.0
12		TRANSFERS TO NON-RESIDENTS	-22.7	-23.0	-23.3	-23.0	-92.0
13	EQUALS:	PERSONAL SAVING	1714.4	1663.1	1597.8	1541.7	6517.0

TABLE 1 PROVINCIAL INCOME AND GROSS PROVINCIAL PRODUCT ($ MILLIONS, SEASONALLY ADJUSTED) - 1977

		QUARTERS				YEAR
		I	II	III	IV	
1	WAGES, SALARIES AND SUPPLEMENTARY LABOUR INCOME	11876.0	12266.0	12516.0	12818.0	49476.0
2	MILITARY PAY AND ALLOWANCES	116.9	118.2	119.2	119.7	474.0
3	CORPORATION PROFITS BEFORE TAXES	1819.9	1803.1	1799.5	1906.4	7329.0
4	DEDUCT:DIVIDENDS PAID TO NON-RESIDENTS	-262.2	-287.2	-285.0	-292.9	-1127.3
5	INTEREST AND MISCELLANEOUS INVESTMENT INCOME	1007.7	1045.6	1096.2	1146.5	4296.0
6	ACCRUED NET INCOME OF FARM OPERATORS FROM FARM PRODUCTION	138.8	211.0	191.4	170.8	712.0
7	NET INCOME OF NON-FARM UNINCORPORATED BUSINESS INCLUDING RENT	859.3	876.9	888.8	893.0	3518.0
8	INVENTORY VALUATION ADJUSTMENT	-378.9	-381.7	-408.2	-336.1	-1505.0
9	NET PROVINCIAL INCOME AT FACTOR COST	15177.3	15651.9	15917.9	16425.5	63172.7
10	INDIRECT TAXES LESS SUBSIDIES	2526.5	2613.2	2629.1	2662.1	10431.0
11	CAPITAL CONSUMPTION ALLOWANCES AND MISCELLANEOUS VALUATION ADJUSTMENTS	1962.9	2007.9	2058.3	2093.9	8123.0
12	RESIDUAL ERROR	95.2	105.6	203.6	135.6	540.0
13	GROSS PROVINCIAL PRODUCT AT MARKET PRICES	19761.9	20378.7	20808.9	21317.2	82266.7

TABLE 2 GROSS PROVINCIAL EXPENDITURE ($ MILLIONS, SEASONALLY ADJUSTED) - 1977

		QUARTERS				YEAR
		I	II	III	IV	
1	PERSONAL EXPENDITURE ON CONSUMER GOODS AND SERVICES	11415.3	11631.3	11826.3	12131.1	47004.0
2	GOVERNMENT EXPENDITURE ON GOODS AND SERVICES:	3121.5	3240.9	3390.0	3341.6	13094.0
3	CURRENT EXPENDITURE	2730.3	2842.2	2985.2	2932.3	11490.0
4	CAPITAL EXPENDITURE	391.2	398.8	404.8	409.3	1604.0
5	BUSINESS GROSS FIXED CAPITAL FORMATION:	3326.1	3394.5	3518.3	3430.0	13669.0
6	RESIDENTIAL CONSTRUCTION	1077.0	1137.0	1213.0	1190.0	4617.0
7	NON-RESIDENTIAL CONSTRUCTION	867.4	913.1	905.7	861.8	3548.0
8	MACHINERY AND EQUIPMENT	1381.7	1344.4	1399.6	1378.2	5504.0
9	VALUE OF PHYSICAL CHANGE IN INVENTORIES:	94.1	103.7	140.4	87.8	426.0
10	NON-FARM	93.8	94.1	130.2	85.9	404.0
11	FARM AND GRAIN IN COMMERCIAL CHANNELS	0.3	9.6	10.2	1.9	22.0
12	EXPORTS OF GOODS AND SERVICES	5626.1	5930.4	5984.8	6428.7	23970.0
13	DEDUCT: IMPORTS OF GOODS AND SERVICES	-4922.4	-5049.9	-5104.6	-5203.1	-20280.0
14	EXPORTS OF GOODS AND SERVICES TO FEDERAL GOVERNMENT	1206.3	1242.3	1271.4	1255.9	4976.0
15	DEDUCT: FEDERAL GOVERNMENT INVESTMENT INCOME RECEIVED FROM ONTARIO	-245.7	-253.1	-262.4	-273.8	-1035.0
16	DIVIDENDS RECEIVED FROM REST OF CANADA	145.3	148.8	155.5	156.4	605.9
17	DEDUCT: DIVIDENDS PAID TO REST OF CANADA	-95.5	-97.8	-102.2	-102.8	-398.2
18	RESIDUAL ERROR	90.9	87.4	-8.6	65.4	235.0
19	GROSS PROVINCIAL EXPENDITURE AT MARKET PRICES	19761.9	20378.7	20808.9	21317.2	82266.7
20	GROSS PROVINCIAL EXPENDITURE IN CONSTANT (1971) DOLLARS	11819.2	11954.1	12034.9	12160.8	47969.0

TABLE 3 RELATION BETWEEN NET PROVINCIAL INCOME AT FACTOR COST, PERSONAL INCOME, PERSONAL DISPOSABLE INCOME, AND PERSONAL SAVING ($ MILLIONS, SEASONALLY ADJUSTED) - 1977

		QUARTERS				YEAR
		I	II	III	IV	
1	NET PROVINCIAL INCOME AT FACTOR COST	15177.3	15651.9	15917.9	16425.5	63172.7
2	ADD: TRANSFER PAYMENTS	1719.0	1722.9	1787.4	1849.6	7079.0
3	INTEREST ON PUBLIC DEBT	797.5	781.8	855.4	871.2	3306.0
4	INTEREST ON CONSUMER DEBT	165.5	170.2	173.6	185.8	695.0
5	DEDUCT: EARNINGS NOT PAID OUT TO PERSONS	-1556.2	-1509.1	-1530.1	-1718.3	-6313.7
6	EQUALS: PERSONAL INCOME	16303.1	16817.8	17204.3	17613.8	67939.0
7	DEDUCT: PERSONAL DIRECT TAXES	-2973.1	-2886.0	-2968.6	-2896.3	-11724.0
8	OTHER CURRENT TRANSFERS TO GOVERNMENTS	-253.4	-265.5	-277.0	-276.1	-1072.0
9	EQUALS: PERSONAL DISPOSABLE INCOME	13076.6	13666.4	13958.6	14441.4	55143.0
10	DEDUCT: PERSONAL EXPENDITURE ON CONSUMER GOODS AND SERVICES	-11415.3	-11631.3	-11826.3	-12131.1	-47004.0
11	TRANSFERS TO CORPORATIONS	-165.5	-170.2	-173.6	-185.8	-695.0
12	TRANSFERS TO NON-RESIDENTS	-24.5	-24.2	-24.2	-24.1	-97.0
13	EQUALS: PERSONAL SAVING	1471.4	1840.7	1934.6	2100.4	7347.0

TABLE 1 PROVINCIAL INCOME AND GROSS PROVINCIAL PRODUCT ($ MILLIONS,SEASONALLY ADJUSTED) - 1978

		QUARTERS				YEAR
		I	II	III	IV	
1	WAGES, SALARIES AND SUPPLEMENTARY LABOUR INCOME	12985.0	13345.0	13578.0	13954.0	53862.0
2	MILITARY PAY AND ALLOWANCES	121.9	115.7	119.3	121.0	478.0
3	CORPORATION PROFITS BEFORE TAXES	2058.8	2151.0	2337.3	2565.9	9113.0
4	DEDUCT:DIVIDENDS PAID TO NON-RESIDENTS	-351.4	-400.3	-376.0	-516.3	-1644.0
5	INTEREST AND MISCELLANEOUS INVESTMENT INCOME	1172.7	1288.2	1374.6	1410.6	5246.0
6	ACCRUED NET INCOME OF FARM OPERATORS FROM FARM PRODUCTION	142.0	178.7	176.4	199.9	697.0
7	NET INCOME OF NON-FARM UNINCORPORATED BUSINESS INCLUDING RENT	914.9	932.4	954.8	957.9	3759.0
8	INVENTORY VALUATION ADJUSTMENT	-410.5	-501.4	-453.2	-702.9	-2068.0
9	NET PROVINCIAL INCOME AT FACTOR COST	16633.4	17109.4	17710.2	17990.0	69443.0
10	INDIRECT TAXES LESS SUBSIDIES	2748.5	2731.9	2738.6	2852.9	11072.0
11	CAPITAL CONSUMPTION ALLOWANCES AND MISCELLANEOUS VALUATION ADJUSTMENTS	2164.9	2201.0	2270.9	2342.2	8979.0
12	RESIDUAL ERROR	58.6	38.9	213.3	113.3	424.2
13	GROSS PROVINCIAL PRODUCT AT MARKET PRICES	21605.4	22081.2	22933.1	23298.4	89918.1

TABLE 2 GROSS PROVINCIAL EXPENDITURE ($ MILLIONS, SEASONALLY ADJUSTED) -1978

		QUARTERS				YEAR
		I	II	III	IV	
1	PERSONAL EXPENDITURE ON CONSUMER GOODS AND SERVICES	12489.9	12827.2	13160.2	13366.7	51844.0
2	GOVERNMENT EXPENDITURE ON GOODS AND SERVICES:	3465.4	3572.0	3725.8	3665.8	14429.0
3	CURRENT EXPENDITURE	3052.4	3154.6	3302.8	3236.2	12746.0
4	CAPITAL EXPENDITURE	412.9	417.4	423.0	429.7	1683.0
5	BUSINESS GROSS FIXED CAPITAL FORMATION:	3351.3	3539.3	3764.1	3854.4	14509.0
6	RESIDENTIAL CONSTRUCTION	1071.0	1106.0	1220.0	1287.0	4684.0
7	NON-RESIDENTIAL CONSTRUCTION	868.5	932.0	973.9	920.5	3695.0
8	MACHINERY AND EQUIPMENT	1411.7	1501.2	1570.2	1646.8	6130.0
9	VALUE OF PHYSICAL CHANGE IN INVENTORIES:	-20.6	-175.4	109.3	150.7	64.0
10	NON-FARM	-13.6	-163.9	117.3	147.2	87.0
11	FARM AND GRAIN IN COMMERCIAL CHANNELS	-7.0	-11.4	-8.0	3.4	-23.0
12	EXPORTS OF GOODS AND SERVICES	6533.0	7105.7	7316.4	7686.9	28642.0
13	DEDUCT: IMPORTS OF GOODS AND SERVICES	-5395.4	-5987.3	-6147.3	-6583.0	-24113.0
14	EXPORTS OF GOODS AND SERVICES TO FEDERAL GOVERNMENT	1220.5	1216.9	1201.6	1245.0	4884.0
15	DEDUCT: FEDERAL GOVERNMENT INVESTMENT INCOME RECEIVED FROM ONTARIO	-286.7	-297.1	-304.7	-309.5	-1198.0
16	DIVIDENDS RECEIVED FROM REST OF CANADA	247.0	262.2	258.2	278.0	1045.4
17	DEDUCT: DIVIDENDS PAID TO REST OF CANADA	-151.2	-160.5	-158.1	-170.3	-640.1
18	RESIDUAL ERROR	152.3	178.1	7.7	113.7	451.8
19	GROSS PROVINCIAL EXPENDITURE AT MARKET PRICES	21605.4	22081.2	22933.1	23298.4	89918.1
20	GROSS PROVINCIAL EXPENDITURE IN CONSTANT (1971) DOLLARS	12127.9	12205.2	12453.6	12429.2	49215.9

TABLE 3 RELATION BETWEEN NET PROVINCIAL INCOME AT FACTOR COST, PERSONAL INCOME, PERSONAL DISPOSABLE INCOME, AND PERSONAL SAVING ($ MILLIONS,SEASONALLY ADJUSTED) -- 1978

			QUARTERS				YEAR
			I	II	III	IV	
1	NET PROVINCIAL INCOME AT FACTOR COST		16633.4	17109.4	17710.2	17990.0	69443.0
2	ADD:	TRANSFER PAYMENTS	1925.6	1998.9	2034.2	2054.3	8013.0
3		INTEREST ON PUBLIC DEBT	967.7	988.5	1010.9	1114.8	4082.0
4		INTEREST ON CONSUMER DEBT	192.6	207.0	227.4	245.0	872.0
5	DEDUCT:	EARNINGS NOT PAID OUT TO PERSONS	-1657.1	-1701.2	-1989.2	-1872.5	-7220.0
6	EQUALS:	PERSONAL INCOME	18062.2	18602.5	18993.5	19531.7	75190.0
7	DEDUCT:	PERSONAL DIRECT TAXES	-2881.9	-3035.4	-3139.0	-3230.7	-12287.0
8		OTHER CURRENT TRANSFERS TO GOVERNMENTS	-283.2	-302.2	-319.8	-336.8	-1242.0
9	EQUALS:	PERSONAL DISPOSABLE INCOME	14897.1	15264.9	15534.7	15964.3	61661.0
10	DEDUCT:	PERSONAL EXPENDITURE ON CONSUMER GOODS AND SERVICES	-12489.9	-12827.2	-13160.2	-13366.7	-51844.0
11		TRANSFERS TO CORPORATIONS	-192.6	-207.0	-227.4	-245.0	-872.0
12		TRANSFERS TO NON-RESIDENTS	-24.9	-24.9	-25.3	-24.9	-100.0
13	EQUALS:	PERSONAL SAVING	2189.6	2205.8	2121.8	2327.7	8845.0

TABLE 1 PROVINCIAL INCOME AND GROSS PROVINCIAL PRODUCT ($ MILLIONS, SEASONALLY ADJUSTED) - 1979

		QUARTERS				YEAR
		I	II	III	IV	
1	WAGES, SALARIES AND SUPPLEMENTARY LABOUR INCOME	14254.0	14645.0	15129.0	15456.0	59484.0
2	MILITARY PAY AND ALLOWANCES	120.1	118.6	120.7	122.6	482.0
3	CORPORATION PROFITS BEFORE TAXES	2691.8	2807.2	3132.2	3132.8	11764.0
4	DEDUCT:DIVIDENDS PAID TO NON-RESIDENTS	-475.5	-439.1	-428.9	-502.1	-1845.5
5	INTEREST AND MISCELLANEOUS INVESTMENT INCOME	1481.3	1566.8	1559.9	1716.0	6324.0
6	ACCRUED NET INCOME OF FARM OPERATORS FROM FARM PRODUCTION	201.4	233.1	202.7	234.8	872.0
7	NET INCOME OF NON-FARM UNINCORPORATED BUSINESS INCLUDING RENT	984.2	986.9	1011.1	1032.8	4015.0
8	INVENTORY VALUATION ADJUSTMENT	-815.2	-740.6	-837.7	-811.5	-3205.0
9	NET PROVINCIAL INCOME AT FACTOR COST	18442.2	19177.9	19889.0	20381.4	77890.5
10	INDIRECT TAXES LESS SUBSIDIES	3061.3	3077.7	3186.7	3240.4	12566.0
11	CAPITAL CONSUMPTION ALLOWANCES AND MISCELLANEOUS VALUATION ADJUSTMENTS	2434.0	2518.7	2572.7	2633.5	10159.0
12	RESIDUAL ERROR	-28.6	-85.9	96.3	120.3	102.1
13	GROSS PROVINCIAL PRODUCT AT MARKET PRICES	23908.9	24688.3	25744.7	26375.6	100717.6

TABLE 2 GROSS PROVINCIAL EXPENDITURE ($ MILLIONS,SEASONALLY ADJUSTED) -1979

		QUARTERS				YEAR
		I	II	III	IV	
1	PERSONAL EXPENDITURE ON CONSUMER GOODS AND SERVICES	13656.4	13997.1	14426.3	14744.1	56824.0
2	GOVERNMENT EXPENDITURE ON GOODS AND SERVICES:	3645.8	3732.5	3898.9	3913.9	15191.0
3	CURRENT EXPENDITURE	3208.3	3287.8	3447.5	3456.3	13400.0
4	CAPITAL EXPENDITURE	437.4	444.7	451.4	457.5	1791.0
5	BUSINESS GROSS FIXED CAPITAL FORMATION:	3755.6	3800.7	4210.5	4300.3	16067.0
6	RESIDENTIAL CONSTRUCTION	1145.0	1080.0	1234.0	1220.0	4679.0
7	NON-RESIDENTIAL CONSTRUCTION	910.0	996.9	1082.9	1122.2	4112.0
8	MACHINERY AND EQUIPMENT	1700.6	1723.8	1893.5	1958.1	7276.0
9	VALUE OF PHYSICAL CHANGE IN INVENTORIES:	293.5	395.8	262.5	358.2	1310.0
10	NON-FARM	270.8	358.8	216.3	308.0	1154.0
11	FARM AND GRAIN IN COMMERCIAL CHANNELS	22.7	37.0	46.1	50.2	156.0
12	EXPORTS OF GOODS AND SERVICES	7938.2	8010.9	8801.6	9047.2	33798.0
13	DEDUCT: IMPORTS OF GOODS AND SERVICES	-6733.6	-6654.6	-7045.1	-7162.6	-27596.0
14	EXPORTS OF GOODS AND SERVICES TO FEDERAL GOVERNMENT	1275.8	1272.3	1258.3	1251.5	5058.0
15	DEDUCT: FEDERAL GOVERNMENT INVESTMENT INCOME RECEIVED FROM ONTARIO	-311.5	-315.2	-320.6	-327.6	-1275.0
16	DIVIDENDS RECEIVED FROM REST OF CANADA	334.1	325.8	264.5	314.5	1238.9
17	DEDUCT: DIVIDENDS PAID TO REST OF CANADA	-212.0	-206.8	-167.9	-199.6	-786.3
18	RESIDUAL ERROR	266.6	329.9	155.7	135.7	887.9
19	GROSS PROVINCIAL EXPENDITURE AT MARKET PRICES	23908.9	24688.3	25744.7	26375.6	100717.6
20	GROSS PROVINCIAL EXPENDITURE IN CONSTANT (1971) DOLLARS	12435.1	12410.0	12575.1	12588.8	50009.0

TABLE 3 RELATION BETWEEN NET PROVINCIAL INCOME AT FACTOR COST, PERSONAL INCOME, PERSONAL DISPOSABLE INCOME, AND PERSONAL SAVING ($ MILLIONS, SEASONALLY ADJUSTED) - 1979

		QUARTERS				YEAR
		I	II	III	IV	
1	NET PROVINCIAL INCOME AT FACTOR COST	18442.2	19177.9	19889.0	20381.4	77890.5
2	ADD: TRANSFER PAYMENTS	2033.2	2082.3	2141.0	2188.4	8445.0
3	INTEREST ON PUBLIC DEBT	1200.8	1201.2	1259.8	1289.2	4951.0
4	INTEREST ON CONSUMER DEBT	292.2	304.4	331.6	350.8	1279.0
5	DEDUCT: EARNINGS NOT PAID OUT TO PERSONS	-1944.1	-2223.6	-2573.6	-2529.2	-9270.5
6	EQUALS: PERSONAL INCOME	20024.2	20542.2	21047.8	21680.7	83295.0
7	DEDUCT: PERSONAL DIRECT TAXES	-3340.5	-3160.0	-3459.3	-3534.2	-13494.0
8	OTHER CURRENT TRANSFERS TO GOVERNMENTS	-340.3	-328.4	-337.0	-346.2	-1352.0
9	EQUALS: PERSONAL DISPOSABLE INCOME	16343.5	17053.8	17251.4	17800.3	68449.0
10	DEDUCT: PERSONAL EXPENDITURE ON CONSUMER GOODS AND SERVICES	-13656.4	-13997.1	-14426.3	-14744.1	-56824.0
11	TRANSFERS TO CORPORATIONS	-292.2	-304.4	-331.6	-350.8	-1279.0
12	TRANSFERS TO NON-RESIDENTS	-28.4	-28.4	-28.3	-27.9	-113.0
13	EQUALS: PERSONAL SAVING	2366.4	2723.9	2465.2	2677.4	10233.0

TABLE 1 PROVINCIAL INCOME AND GROSS PROVINCIAL PRODUCT ($ MILLIONS,SEASONALLY ADJUSTED) - 1980

		QUARTERS				YEAR
		I	II	III	IV	
1	WAGES, SALARIES AND SUPPLEMENTARY LABOUR INCOME	15873.0	16176.0	16699.0	17275.0	66023.0
2	MILITARY PAY AND ALLOWANCES	125.4	132.9	136.7	131.0	526.0
3	CORPORATION PROFITS BEFORE TAXES	3176.0	3024.3	3086.6	3180.1	12467.0
4	DEDUCT:DIVIDENDS PAID TO NON-RESIDENTS	-416.9	-485.1	-459.7	-453.3	-1815.0
5	INTEREST AND MISCELLANEOUS INVESTMENT INCOME	1714.2	1726.9	1766.3	1779.6	6987.0
6	ACCRUED NET INCOME OF FARM OPERATORS FROM FARM PRODUCTION	199.8	196.7	219.3	224.1	840.0
7	NET INCOME OF NON-FARM UNINCORPORATED BUSINESS INCLUDING RENT	1049.1	1066.4	1097.4	1162.0	4375.0
8	INVENTORY VALUATION ADJUSTMENT	-856.4	-651.5	-818.8	-882.3	-3209.0
9	NET PROVINCIAL INCOME AT FACTOR COST	20864.2	21186.7	21726.9	22416.2	86194.0
10	INDIRECT TAXES LESS SUBSIDIES	3306.4	3329.4	3354.3	3450.8	13441.0
11	CAPITAL CONSUMPTION ALLOWANCES AND MISCELLANEOUS VALUATION ADJUSTMENTS	2714.7	2772.1	2848.9	2905.3	11241.0
12	RESIDUAL ERROR	-8.8	-56.2	10.2	169.4	114.5
13	GROSS PROVINCIAL PRODUCT AT MARKET PRICES	26876.5	27232.0	27940.3	28941.7	110990.5

TABLE 2 GROSS PROVINCIAL EXPENDITURE ($ MILLIONS,SEASONALLY ADJUSTED) -1980

		QUARTERS				YEAR
		I	II	III	IV	
1	PERSONAL EXPENDITURE ON CONSUMER GOODS AND SERVICES	15180.6	15335.0	16022.2	16584.2	63122.0
2	GOVERNMENT EXPENDITURE ON GOODS AND SERVICES:	3948.1	4123.1	4307.9	4331.9	16711.0
3	CURRENT EXPENDITURE	3484.9	3652.8	3829.1	3843.2	14810.0
4	CAPITAL EXPENDITURE	463.2	470.3	478.8	488.8	1901.0
5	BUSINESS GROSS FIXED CAPITAL FORMATION:	4292.9	4239.8	4501.7	4843.6	17878.0
6	RESIDENTIAL CONSTRUCTION	1167.0	962.0	1048.0	1129.0	4306.0
7	NON-RESIDENTIAL CONSTRUCTION	1086.6	1212.1	1295.2	1468.1	5062.0
8	MACHINERY AND EQUIPMENT	2039.2	2065.7	2158.5	2246.5	8510.0
9	VALUE OF PHYSICAL CHANGE IN INVENTORIES:	121.5	229.2	-680.0	-604.7	-934.0
10	NON-FARM	72.3	183.6	-719.1	-634.8	-1098.0
11	FARM AND GRAIN IN COMMERCIAL CHANNELS	49.2	45.5	39.2	30.1	164.0
12	EXPORTS OF GOODS AND SERVICES	9461.9	9353.9	9920.9	10472.3	39209.0
13	DEDUCT: IMPORTS OF GOODS AND SERVICES	-7457.4	-7457.6	-7510.7	-7945.2	-30371.0
14	EXPORTS OF GOODS AND SERVICES TO FEDERAL GOVERNMENT	1313.7	1337.6	1374.5	1411.1	5437.0
15	DEDUCT: FEDERAL GOVERNMENT INVESTMENT INCOME RECEIVED FROM ONTARIO	-336.3	-348.2	-363.2	-381.3	-1429.0
16	DIVIDENDS RECEIVED FROM REST OF CANADA	245.2	288.8	303.7	338.0	1175.6
17	DEDUCT: DIVIDENDS PAID TO REST OF CANADA	-159.5	-187.8	-197.5	-219.8	-764.6
18	RESIDUAL ERROR	265.8	318.2	260.8	111.6	956.5
19	GROSS PROVINCIAL EXPENDITURE AT MARKET PRICES	26876.5	27232.0	27940.3	28941.7	110990.5
20	GROSS PROVINCIAL EXPENDITURE IN CONSTANT (1971) DOLLARS	12465.6	12299.6	12328.8	12522.1	49616.1

TABLE 3 RELATION BETWEEN NET PROVINCIAL INCOME AT FACTOR COST, PERSONAL INCOME, PERSONAL DISPOSABLE INCOME, AND PERSONAL SAVING ($ MILLIONS, SEASONALLY ADJUSTED) - 1980

		QUARTERS				YEAR
		I	II	III	IV	
1	NET PROVINCIAL INCOME AT FACTOR COST	20864.2	21186.7	21726.9	22416.2	86194.0
2	ADD: TRANSFER PAYMENTS	2349.5	2419.6	2618.9	2653.0	10041.0
3	INTEREST ON PUBLIC DEBT	1310.8	1409.4	1428.4	1494.4	5643.0
4	INTEREST ON CONSUMER DEBT	383.2	430.3	411.4	442.1	1667.0
5	DEDUCT: EARNINGS NOT PAID OUT TO PERSONS	-2660.0	-2636.3	-2574.2	-2597.4	-10468.0
6	EQUALS: PERSONAL INCOME	22247.7	22809.7	23611.3	24408.3	93077.0
7	DEDUCT: PERSONAL DIRECT TAXES	-3668.1	-3698.7	-3817.8	-4116.3	-15301.0
8	OTHER CURRENT TRANSFERS TO GOVERNMENTS	-358.8	-346.7	-344.2	-358.3	-1408.0
9	EQUALS: PERSONAL DISPOSABLE INCOME	18220.7	18764.3	19449.3	19933.7	76368.0
10	DEDUCT: PERSONAL EXPENDITURE ON CONSUMER GOODS AND SERVICES	-15180.6	-15335.0	-16022.2	-16584.2	-63122.0
11	TRANSFERS TO CORPORATIONS	-383.2	-430.3	-411.4	-442.1	-1667.0
12	TRANSFERS TO NON-RESIDENTS	-30.3	-29.8	-30.5	-30.5	-121.0
13	EQUALS: PERSONAL SAVING	2626.7	2969.2	2985.2	2876.9	11458.0

TABLE 1 PROVINCIAL INCOME AND GROSS PROVINCIAL PRODUCT ($ MILLIONS, SEASONALLY ADJUSTED) – 1981

		QUARTERS				YEAR
		I	II	III	IV	
1	WAGES, SALARIES AND SUPPLEMENTARY LABOUR INCOME	17901.0	18629.0	19122.0	19575.0	75227.0
2	MILITARY PAY AND ALLOWANCES	133.3	145.8	153.1	157.8	590.0
3	CORPORATION PROFITS BEFORE TAXES	3243.2	3126.2	2758.7	2536.9	11665.0
4	DEDUCT:DIVIDENDS PAID TO NON-RESIDENTS	-574.8	-536.8	-694.7	-527.3	-2333.7
5	INTEREST AND MISCELLANEOUS INVESTMENT INCOME	1897.3	2006.3	2343.0	2322.4	8569.0
6	ACCRUED NET INCOME OF FARM OPERATORS FROM FARM PRODUCTION	201.1	239.6	210.6	189.6	841.0
7	NET INCOME OF NON-FARM UNINCORPORATED BUSINESS INCLUDING RENT	1209.2	1249.6	1275.9	1287.3	5022.0
8	INVENTORY VALUATION ADJUSTMENT	-910.2	-1007.9	-715.7	-494.1	-3128.0
9	NET PROVINCIAL INCOME AT FACTOR COST	23100.1	23851.7	24452.9	25047.6	96452.3
10	INDIRECT TAXES LESS SUBSIDIES	3933.1	4200.9	4388.1	4343.9	16866.0
11	CAPITAL CONSUMPTION ALLOWANCES AND MISCELLANEOUS VALUATION ADJUSTMENTS	3011.8	3105.6	3179.0	3273.6	12570.0
12	RESIDUAL ERROR	190.2	159.9	-51.1	-72.2	226.8
13	GROSS PROVINCIAL PRODUCT AT MARKET PRICES	30235.2	31318.1	31968.9	32592.9	126115.1

TABLE 2 GROSS PROVINCIAL EXPENDITURE ($ MILLIONS,SEASONALLY ADJUSTED) -1981

		QUARTERS				YEAR
		I	II	III	IV	
1	PERSONAL EXPENDITURE ON CONSUMER GOODS AND SERVICES	17117.1	17796.0	17992.0	18432.9	71338.0
2	GOVERNMENT EXPENDITURE ON GOODS AND SERVICES:	4443.5	4649.5	4879.4	4946.6	18919.0
3	CURRENT EXPENDITURE	3943.3	4140.6	4364.9	4429.2	16878.0
4	CAPITAL EXPENDITURE	500.2	508.8	514.5	517.4	2041.0
5	BUSINESS GROSS FIXED CAPITAL FORMATION:	5156.9	5557.9	5425.4	5394.8	21535.0
6	RESIDENTIAL CONSTRUCTION	1260.0	1415.0	1314.0	1181.0	5170.0
7	NON-RESIDENTIAL CONSTRUCTION	1479.4	1560.0	1582.9	1613.6	6236.0
8	MACHINERY AND EQUIPMENT	2417.4	2582.9	2528.5	2600.2	10129.0
9	VALUE OF PHYSICAL CHANGE IN INVENTORIES:	260.3	47.4	401.1	-146.9	562.0
10	NON-FARM	242.0	38.0	397.5	-147.5	530.0
11	FARM AND GRAIN IN COMMERCIAL CHANNELS	18.3	9.5	3.6	0.6	32.0
12	EXPORTS OF GOODS AND SERVICES	10347.4	10920.3	10901.7	11028.5	43198.0
13	DEDUCT: IMPORTS OF GOODS AND SERVICES	-8367.3	-8978.5	-9278.1	-8802.1	-35426.0
14	EXPORTS OF GOODS AND SERVICES TO FEDERAL GOVERNMENT	1512.8	1538.3	1643.8	1718.2	6413.0
15	DEDUCT: FEDERAL GOVERNMENT INVESTMENT INCOME RECEIVED FROM ONTARIO	-402.6	-418.6	-429.2	-434.6	-1685.0
16	DIVIDENDS RECEIVED FROM REST OF CANADA	292.3	270.1	312.2	282.3	1156.8
17	DEDUCT: DIVIDENDS PAID TO REST OF CANADA	-229.9	-212.4	-245.5	-222.0	-909.9
18	RESIDUAL ERROR	104.8	148.1	366.1	395.2	1014.2
19	GROSS PHOVINCIAL EXPENDITURE AT MARKET PRICES	30235.2	31318.1	31968.9	32592.9	126115.1
20	GROSS PROVINCIAL EXPENDITURE IN CONSTANT (1971) DOLLARS	12709.7	12969.2	12834.2	12690.8	51203.9

TABLE 3 RELATION BETWEEN NET PROVINCIAL INCOME AT FACTOR COST, PERSONAL INCOME, PERSONAL DISPOSABLE INCOME, AND PERSONAL SAVING ($ MILLIONS, SEASONALLY ADJUSTED) - 1981

		QUARTERS				YEAR
		I	II	III	IV	
1	NET PROVINCIAL INCOME AT FACTOR COST	23100.1	23851.7	24452.9	25047.6	96452.3
2	ADD: TRANSFER PAYMENTS	2696.7	2748.6	2827.6	2951.2	11224.0
3	INTEREST ON PUBLIC DEBT	1743.5	1797.8	2027.6	2183.1	7752.0
4	INTEREST ON CONSUMER DEBT	498.0	537.4	603.3	657.3	2296.0
5	DEDUCT: EARNINGS NOT PAID OUT TO PERSONS	-2557.0	-2414.9	-2198.6	-2487.7	-9658.3
6	EQUALS: PERSONAL INCOME	25481.2	26520.6	27712.7	28351.5	108066.0
7	DEDUCT: PERSONAL DIRECT TAXES	-4317.7	-4689.8	-4790.9	-4994.6	-18793.0
8	OTHER CURRENT TRANSFERS TO GOVERNMENTS	-380.3	-382.1	-383.2	-393.4	-1539.0
9	EQUALS: PERSONAL DISPOSABLE INCOME	20783.3	21448.6	22538.6	22963.5	87734.0
10	DEDUCT: PERSONAL EXPENDITURE ON CONSUMER GOODS AND SERVICES	-17117.1	-17796.0	-17992.0	-18432.9	-71338.0
11	TRANSFERS TO CORPORATIONS	-498.0	-537.4	-603.3	-657.3	-2296.0
12	TRANSFERS TO NON-RESIDENTS	-32.3	-32.3	-32.7	-32.8	-130.0
13	EQUALS: PERSONAL SAVING	3135.9	3082.9	3910.7	3840.6	13970.0

METHODOLOGY

1. DESCRIPTION OF DIFFERENT APPROACHES

Several approaches are suggested in the literature for estimating quarterly series consistent with annual totals. Generally speaking, the estimation procedures can be grouped into two categories depending on whether or not related time series are utilized in deriving quarterly estimates.[1]

In the first approach, without using related series, the quarterly estimates are derived primarily from mathematical optimization based upon certain criteria such as smoothness, subject to the constraint that the resulting quarterly estimates are consistent with the annual totals. It is a purely mathematical derivation without taking into account any external information concerning the variables for which the quarterly series is to be estimated.

The second approach, based on the utilization of related series, takes into account the quarterly movement of series which are highly correlated with the series to be estimated, while at the same time satisfies the annual constraints. Obviously, this approach seems preferable if highly related series can be found.

Unfortunately, the difficulty of finding related quarterly series presents a major obstacle to the application of the second method. Examination of the publications of Statistics Canada and other data sources reveals that suitably related provincial series for most items in the Ontario Economic Accounts are virtually non-existent. The only alternative is to use quarterly statistics of the Canadian National Accounts as related series. In view of the importance of the Ontario economy in the Canadian economy, the possibility of using data from the Canadian National Accounts as related series was investigated by carrying out a regression analysis for major corresponding annual time series of the National and Ontario Economic Accounts.

The result of this regression analysis, together with the ratio of the average annual value of the Ontario variable to that of its Canadian counterpart (denoted as average O/C) for the 1970-1981 period, is presented in Tables 1 to 3. In these tables, an abbreviation is assigned to each item for convenience and future reference. Some of the marginal O/C ratios presented in these tables are later used in the estimation of the Ontario quarterly data.[2] It is obvious from the table that the fit for most of the equations is excellent as the $\bar{R}^2$ (the coefficient of multiple correlation corrected for degrees of freedom) is

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1 Chapters 1 and 2 of this Section are, in most part, taken from Ontario Economic Accounts, Quarterly Time Series, 1947-1975, which gives a more detailed explanation of the methodology.

2 Marginal O/C is equal to a_1 in the equation $y^* = a_o + a_1 x^*$ estimated by the ordinary least squares method, where Y^* and X^* are the Ontario and corresponding Canadian annual values respectively, and a_o and a_1 are parameters. Average O/C is the ratio of the mean of Y^* over the mean of X^* over the 1970-1981 period.

TABLE 1

GPP TABLE: REGRESSION ANALYSIS FOR ONTARIO AND CANADIAN ANNUAL VALUES
1970-1981

	Item		Marginal O/C	Average O/C	$\bar{R}^2$
1.1	Wages, salaries and supplementary labour income	WS	0.3850	0.4105	0.9996
1.2	Military pay and allowances	MP	0.3136	0.3121	0.9963
1.3	Corporation profits before taxes	CP	0.3195	0.3696	0.9870
1.4	-Dividends paid to non-residents	-DN	0.5789	0.6104	0.9562
1.5	Interest and miscellaneous investment income	IY	0.3047	0.3324	0.9956
1.6	Accrued net income of farm operators from farm production	FY	0.1662	0.2219	0.8327
1.7	Net income of non-farm unincorporated business including rent	NFY	0.3408	0.3904	0.9984
1.8	Inventory valuation adjustment	IV	0.4549	0.4482	0.9980
1.9	Net provincial income at factor cost	NPI	0.3554	0.3882	0.9996
1.10	Indirect taxes less subsidies	TMS	0.4585	0.4429	0.9965
1.11	Capital consumption allowances and miscellaneous valuation adjustments	CCA	0.3333	0.3574	0.9985
1.12	Residual error[1]	RE1			
1.13	Gross Provincial Product at market prices	GPP	0.3625	0.3901	0.9996

[1] Regression analysis is not meaningful for this item.

TABLE 2

GPE TABLE: REGRESSION ANALYSIS FOR ONTARIO AND CANADIAN ANNUAL VALUES
1970-1981

	Item		Marginal O/C	Average O/C	$\bar{R}^2$
2.1	Personal expenditure on consumer goods and services	PE	0.3613	0.3846	0.9998
2.2	Government expenditure on goods and services:	E	0.2986	0.3460	0.9971
2.3	Current expenditure	GEC	0.3132	0.3560	0.9971
2.4	Capital expenditure	GEK	0.1929	0.2922	0.9745
2.5	Business gross fixed capital formation:	I	0.2645	0.3306	0.9901
2.6	Residential Construction	RC	0.2694	0.3649	0.9343
2.7	Non-residential Construction	NRC	0.1938	0.2616	0.9849
2.8	Machinery and equipment	ME	0.3366	0.3680	0.9967
2.9	Value of physical change in inventories:	VPC	0.4288	0.4411	0.9066
2.10	Non-farm	VPNF	0.4322	0.4351	0.8587
2.11	Farm and grain in commercial channels	VPF	-0.0762	0.5147	0.0251
2.12	Exports of goods and services	X	0.4240	0.4454	0.9983
2.13	-Imports of goods and services	-M	0.3083	0.3533	0.9971
2.14	Exports of goods and services to federal government[2]	FGE			
2.15	-Federal government investment income received from or accrued in Ontario[2]	-FGI			
2.16	Dividends received from rest of Canada[2]	DR			
2.17	-Dividends paid to rest of Canada[2]	-DNR			
2.18	Residual error[1]	RE2			
2.19	Gross provincial expenditure at market prices	GPE	0.3625	0.3901	0.9996
2.20	Gross provincial expenditure in constant (1971) dollars	RGPE			

[1] Regression analysis is not meaningful for this item.
[2] Regression analysis is not carried out for this item because its Canadian counterpart is not available in GNE Table.

TABLE 3

SAVING TABLE: REGRESSION ANALYSIS FOR ONTARIO AND CANADIAN ANNUAL VALUES
1970-1981

	Item		Marginal O/C	Average O/C	$\bar{R}^2$
3.1	Net provincial income at factor cost	NPI	0.3554	0.3882	0.9996
3.2	Transfer payments	TP	0.3009	0.3238	0.9974
3.3	Interest on public debt	IP	0.3629	0.3686	0.9957
3.4	Interest on consumer debt	IC	0.3499	0.3612	0.9999
3.5	-Earnings not paid out to persons	-E	0.2184	0.2821	0.9897
3.6	Personal income	PI	0.3701	0.3942	0.9998
3.7	-Personal direct taxes	-PT	0.3337	0.3820	0.9992
3.8	-Other current transfers to governments	-TRG	0.5518	0.6265	0.9948
3.9	Personal disposable income	PDI	0.3764	0.3938	0.9998
3.10	-Personal expenditure on consumer goods and services	-PE	0.3613	0.3846	0.9998
3.11	-Transfers to corporations	-TRC	0.3499	0.3612	0.9999
3.12	-Transfers to non-residents	-TRN	0.3541	0.3583	0.9992
3.13	Personal saving	PS	0.4601	0.4733	0.9956

greater than 0.9 for the vast majority of components. The average O/C ratio represents Ontario's average share in the national total over the 1970-1981 period.

It must be emphasized that two conditions must be satisfied for using the Canadian counterparts as related series:

(C1) The annual figures for Ontario and Canada must be closely related.
(C2) Ontario accounts for a significant proportion of the national total.

(C1) is judged by the value of $\bar{R}^2$. A value of higher than 0.9 is considered acceptable. (C2) is satisfied if Ontario accounts for more than one-third of the national total (i.e., average O/C greater than 0.3333).

Obviously, the quarterly data from the Canadian National Accounts can be accepted as "related series" only when (C1) is satisfied. However, (C1) is a necessary but not sufficient condition for using Canadian quarterly data as related series. Even if Ontario figures are closely related with corresponding Canadian data, it seems unlikely that the quarterly movement of the former will be reflected by the latter if the value of average O/C is very small. Judging from the results shown in Tables 1 to 3, use of the Canadian quarterly series as the related series for certain components seems justified.

2. GENERAL ESTIMATION METHODS

In general, three methods, denoted as Methods (A), (B), and (C) respectively, were applied to derive quarterly series from available annual provincial accounts data. While Methods (A) and (B) employ mathematical optimization based on the criterion of smoothness, Method (C) in addition utilizes related quarterly series. These three methods are explained briefly here while a detailed mathematical exposition can be found in Appendix A of Ontario Economic Accounts, Quarterly Time Series, 1947-1975.

Method (A)

Quarterly estimates are obtained by minimizing the sum of squares of the differences between the successive quarterly values over the estimation period subject to the constraint that quarterly figures are consistent with annual data. Mathematically, for a period of N years or 4N quarters, we minimize

$$\sum_{i=2}^{4N} (\Delta y_i)^2 \qquad \text{subject to the annual constraints}$$

$$\sum_{i=4k-3}^{4K} y_i = y^*_k \qquad k = 1,.....,N$$

where y = quarterly estimate
$\Delta y_i = y_i - y_{i-1}$
y^* = annual data

Method (B)

Quarterly estimates are obtained by minimizing the sum of squares of the second differences i.e.,

$$\text{Minimize} \quad \sum_{i=3}^{4N} (\Delta y_i - \Delta y_{i-1})^2$$

$$\text{Subject to} \quad \sum_{i=4k-3}^{4k} y_i = y^*_k$$

where $\Delta y_i = y_i - y_{i-1}$

Method (C)

This method involves a two-step procedure: first, obtaining the preliminary quarterly estimates from mathematical optimization through either Method (A) or Method (B) and then adjusting these estimates with related series.

Let $\hat{y}$ be the quarterly estimates and y^* be the annual data for the series to be estimated and x and x^* be the quarterly and annual data of the related series of y , Method (C) then proceeds as follows:

1. Generate preliminary quarterly $\hat{y}_i$ and $\hat{x}_i$ $(i=1,.....,4N)$ with either Method (A) or Method (B) from their annual data y^*_k and x^*_k $(k=1,.....,N)$

2. Estimate an annual equation $y^* = a_o + a_1 x^*$ with ordinary least squares method

3. Compute the final quarterly value y_i $(i=1,.....,4N)$ in the following equation:

$$y_i = \hat{y}_i + a_1 (x_i - \hat{x}_i) \qquad (2.1)$$

Obviously, $\sum_{i=4k-3}^{4k} y_i = \sum_{i=4k-3}^{4k} \hat{y}_i = {}^*y_k$ where $k = 1,..,N$

i.e., the annual constraints hold for y_i.

When y^* is closely related to x^*, equation (2.1) implies that Δy_i depends mainly on $a_1 \Delta x_i$. Under these circumstances, it is expected that the directions of change and turning points of the quarterly estimates will correspond very closely with their related series. This makes the application of Method (C) very desirable if x is a highly related series of y.

3. METHODS ADOPTED FOR ESTIMATION OF ONTARIO QUARTERLY SERIES

When the Ontario quarterly series for the 1947-1975 period were derived in 1977, the performance of Methods (A) and (B) was tested with data from the Canadian National Accounts and the U.S. National Accounts based on the magnitude of prediction error and the ability of predicting direction of change and turning points.[1] These tests showed that:

1. The quarterly estimates generated by Methods (A) and (B) correspond to seasonally adjusted values since "smoothness" is used as the criterion in derivation.

2. For most items, both Methods (A) and (B) perform quite satisfactorily when judged either by the magnitude of the prediction error or the ability of predicting direction of change.

3. It is rather difficult to conclude which method is generally better because the performance of each method varies from item to item. Therefore, the final choice of method should be determined item by item on the basis of the test results with seasonally adjusted data from the Canadian National Accounts.

4. For those items for which both conditions (C1) and (C2) are satisfied, final quarterly estimates are obtained from Method (C) based on the preliminary estimates from Method (A) or (B) using seasonally adjusted data of their counterparts in the Canadian National Accounts or other series as related series.

Based on these observations and the availability of other related series, the methods used to estimate Ontario quarterly series are listed in Table 4. In this table, when Method (C) is used, "CA" denotes that Method (A) is adopted in obtaining the preliminary estimates, and similarly for "CB". "D" in the same table indicates that this item is derived from other items.

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1 See Ontario Economic Accounts, Quarterly Time Series, 1947-1975, for details.

TABLE 4

METHODS OF ESTIMATION

GPP Table			GPE Table			Saving Table		
Item		Method	Item		Method	Item		Method
1.1	WS	*	2.1	PE	CB	3.1	NPI	D
1.2	MP	CB	2.2	GE	D	3.2	TP	CA
1.3	CP	CA	2.3	GEC	CA	3.3	IP	CA
1.4	-DN	*	2.4	GEK	A	3.4	IC	CB
1.5	IY	CA	2.5	I	D	3.5	-E	D
1.6	FY	CA	2.6	RC	*	3.6	PI	D
1.7	NFY	CB	2.7	NRC	CB	3.7	-PT	CB
1.8	IV	CA	2.8	ME	CA	3.8	-TRG	CA
1.9	NPI	D	2.9	VPC	D	3.9	PDI	D
1.10	TMS	CA,A	2.10	VPNF	CA	3.10	-PE	CB
1.11	CCA	CB	2.11	VPF	A	3.11	-TRC =	-IC
1.12	RE1	D	2.12	X	CA	3.12	-TRN	CB
1.13	GPP	D	2.13	-M	CB	3.13	PS	D
			2.14	FGE	CA, A			
			2.15	-FGI	A			
			2.16	DR	*			
			2.17	-DNR	*			
			2.18	RE2	D			
			2.19	GPE	D			
			2.20	RGPE	D			

* Quarterly estimates are derived by other methods which are explained in context.

For TMS (indirect taxes less subsidies) and FGE (exports of goods and services to federal government), the former is derived as the difference between indirect taxes (Method CA) and subsidies (Method A) and the latter is obtained by summing up federal government current and capital expenditures on goods and services (Methods CA and A respectively).

In Table 4, when Method CA or CB is used to estimate the Ontario quarterly series, the seasonally adjusted quarterly series of their counterparts from the Canadian National Accounts are generally used as the related series. However, for a few of the items, better related series can be found and they are then used instead. These items include:

1. Military pay and allowances (1.2 MP).

   The related series is derived from data on military pay and allowances from Statistics Canada's (SC) publication 72-004, Federal Government Employment.

2. Corporation profits before taxes (1.3 CP).

   The related series is derived from SC. 61-003, Industrial Corporations: Financial Statistics and 61-208, Corporation Taxation Statistics.

3. Accrued net income of farm operators from farm production (1.6 FY).

   SC. 21-001, Farm Cash Receipts, is the major source used to derive the related series for this item.

4. Personal expenditure on consumer goods (part of 2.1 PE).

   The related series is obtained from SC. 63-005, Retail Trade.

5. Business gross fixed capital formation on non-residential construction (2.7 NRC).

   Its related series is mainly based on information found in SC. 64-001, Building Permits.

6. Government current expenditure on goods and services (2.3 GEC) and Exports of current goods and services to federal government (part of 2.14 FGE).

   As wages and salaries account for a very significant portion of government current expenditure on goods and services, data mainly from SC. 72-005, Estimates of Labour Income, are used to derive the related series for these two items.

Five of the items listed in Table 4 are derived from other methods rather than from Methods A, B, and C. These methods are briefly outlined here:

1. Wages, salaries and supplementary labour incomes (1.1. WS).

   The quarterly estimates for this item are mainly based on SC. 72-005, Estimates of Labour Income.

2. -Dividends paid to non-residents (1.4 - DN).

   Canadian dividends paid to non-residents abroad and to Canadian residents are allocated to Ontario based on the Ontario/Canada ratio of corporation profits after taxes and dividends received by individuals from Taxation Statistics.

3. Business Gross Fixed Capital Formation: Residential Construction (2.6 RC).

   Housing expenditure, the major component of residential construction, is based on estimates of seasonally unadjusted housing expenditure from Statistics Canada. Real estate commissions, the remaining component, are derived by allocating the Canadian total based on the relative share of MLS (Multiple Listing Services) sales.

4. Dividends received from rest of Canada (2.16 DR).

   This item is derived from dividends paid to Canadian residents from the Canadian National Accounts based on the Ontario/Canada share of corporation profits after taxes and dividends received by individuals from Taxation Statistics.

5. -Dividends paid to rest of Canada (2.17 - DNR).

   This item is part of dividends paid to non-residents and it is derived in association with that item.

DEFINITIONS

1. GPP TABLE

1.1 Wages, Salaries and Supplementary Labour Income (WS)[1]

Wages and salaries include all earnings from employment by wage-earners and salaried employees, including payments in kind such as free board and lodging. They are estimated before deductions for tax and other contributions.

Supplementary labour income covers other payments by employers for employees' services e.g., employers' contributions to pension funds, unemployment insurance and so on.

1.2 Military Pay and Allowances (MP)

This refers to payments to members of the Armed Forces including military pay, various types of allowances, and employers' contributions to the Armed Forces pension fund.

1.3 Corporation Profits Before Taxes (CP)

This item is estimated using business accounting records with a number of adjustments made in order to convert such data to a Provincial Accounts basis. For example, depletion charges, provincial mining and logging taxes and appropriations for losses of chartered banks are considered part of corporation profits even though they are treated as expenses on the books of business.

1.4 -Dividends Paid to Non-residents (-DN)

Item 1.3 "Corporation profits before taxes" includes dividends paid to non-residents (in both the rest of Canada and abroad) which are considered as earnings of non-residents. As GPP measures income of Ontario residents only, dividends paid to non-residents should be deducted from corporation profits before taxes.

1.5 Interest and Miscellaneous Investment Income (IY)

This item includes interest income of persons and government investment income. Interest income of persons consists of interest received by, or accruing to, persons which include individuals, private non-commercial institutions, estates, and trust funds. Interest and dividends received by persons from non-residents are also included. Government investment income includes interest on loans, advances and investments, royalties, and the profits of government business enterprises. Since the federal government is treated as non-resident, its investment income is excluded from this item.

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1 The definitions of most of the items contained in this section are mainly based on the National Income and Expenditure Accounts, Volume 3, issued by Statistics Canada (Catalogue 13-549).

1.6 Accrued Net Income of Farm Operators From Farm Production (FY)

This is a mixture of labour income and investment income of farm operators from farm production. Net farm income is derived from farm cash receipts plus income-in-kind, net of expenses and after adjustment for the value of the physical change in farm inventories. Finally, net income is converted to accrued net income to measure accrued earnings arising out of current production.

1.7 Net Income of Non-farm Unincorporated Business Including Rent (NFY)

This component of gross provincial product is made up of labour income and investment income of working proprietors and independent professional practitioners from their own unincorporated business. Net rental income of persons is also included in this item.

1.8 Inventory Valuation Adjustment (IV)

This item appears in the GPP Table in order to eliminate from provincial income any capital gain or loss resulting from the inventory accounting procedures of business firms. Since GPP measures the production at current market prices, the capital gain or loss included in the changes in recorded business inventory book values has to be eliminated because it is not related to the measurement of current production.

1.9 Net Provincial Income at Factor Cost (NPI)

This is derived as the sum of all the items listed above and represents the income of the factors of production: labour, land, capital and entrepreneurship. Transfer payments, however, are excluded from NPI because they are not received in exchange for the services of factors of production.

1.10 Indirect Taxes Less Subsidies (TMS)

This item is derived as the difference between indirect taxes and subsidies. Indirect taxes, such as sales and excise taxes, import duties, and property taxes, constitute part of producers' costs and thus are included in the market price of goods and services. At the same time, subsidies from the federal and provincial governments to producers and consumers are deducted from factor costs to estimate GPP at market prices.

1.11 Capital Consumption Allowances and Miscellaneous Valuation Adjustments (CCA)

Capital consumption allowances refer to depreciation charges for the total stock of three major types of productive assets: business plant and equipment, housing, and government fixed assets. Such depreciation charges, representing the cost of the wearing out of capital assets in the process of economic production, are included in the market price of goods and services. Also included in this item are miscellaneous valuation adjustments which are needed to maintain balance between the income and expenditure side of the accounts.

1.12 Residual Error (RE1)

The residual error in the GPP Table is derived jointly with GPP, GPE, and RE2 (residual error in GPE Table) in such a way that ensures GPP=GPE. This implies that GPP or GPE is the average of the totals obtained by summing up all the components of the GPP and GPE Tables except RE1 and RE2. The residual error terms are included in the GPP and GPE Tables to reflect many factors such as imperfections in the basic statistics and flaws in estimation techniques.

1.13 Gross Provincial Product At Market Prices (GPP)

GPP, the total value of production of goods and services by Ontario residents at market prices, is derived as the sum of the previous twelve items.

2. GPE TABLE

2.1 Personal Expenditure on Consumer Goods and Services (PE)

This item is derived as the sum of personal expenditure on consumer goods and on consumer services. The former includes personal outlays of Ontario residents on durable goods, semi-durable goods and non-durable goods. The latter covers a wide variety of services such as recreation, transportation and gross rents. In principle, all expenditures by Ontario residents outside Ontario should be included and all expenditures by non-residents in Ontario should be eliminated. However, only expenditure on travel and military pay are adjusted because of the difficulty of obtaining data for other types of expenditure.

2.2 Government Expenditure on Goods and Services (GE)

This is derived as the sum of current and capital expenditures by the Ontario government sector defined to include only the provincial and local governments plus hospitals. The federal government, which is considered a non-resident, is excluded from the Ontario government sector. Government business enterprises of all levels of government are also excluded here because they are treated as part of the business sector.

2.3 Government Current Expenditure on Goods and Services (GEC)

This item includes all current purchases of goods and services by the government sector including capital consumption allowances on government fixed assets. Since this item refers to government current expenditure on goods and services only, it excludes other government current expenditures such as transfer payments to persons, subsidies, capital assistance and interest on the public debt.

2.4 Government Capital Expenditure on Goods and Services (GEK)

This is the sum of government gross fixed capital formation and the value of physical change in inventories. The former refers to investment in durable fixed capital assets: residential construction, non-residential construction and machinery and equipment. The latter represents investment in inventories, a relatively small portion of GEK.

2.5 Business Gross Fixed Capital Formation (I)

This component of GPE is derived as the sum of three kinds of gross fixed capital formation: residential construction, non-residential construction, and machinery and equipment. Gross fixed capital formation of all government business enterprises is included.

2.6 Residential Construction (RC)

This item comprises expenditures for new dwellings, improvements and alterations to existing dwellings, supplementary costs incurred in the acquisition of new dwellings and residential real estate commissions. It should be noted that all personal purchases of housing for owner-use are considered to be business residential construction since individual home-owners are treated as business.

2.7 Non-residential Construction (NRC)

This covers the expenditure on a wide range of construction and construction-related activities such as building construction, highways, bridges and streets, railway construction and other engineering construction.

2.8 Machinery and Equipment (ME)

This item covers outlays on new machinery and equipment. However, imports of used machinery and equipment are included even though their inclusion does not affect Gross Provincial Expenditure since imports are increased by an identical amount.

2.9 Value of Physical Change in Inventories (VPC)

This is derived from summing up the value of physical change in business non-farm inventories and in farm inventories and grain in commercial channels. The value of physical change in inventories for government is excluded here because it has already been incorporated in government capital expenditure. The reason for inclusion of this item in the GPE Table is to account for either that portion of current production which has not been sold or that portion of sales in the current period which originated from production in previous periods.

2.10 Value of Physical Change in Inventories: Non-farm (VPNF)

This item makes up the largest portion of the total value of physical change in inventories. It includes raw materials, goods-in-process and finished products of corporations, non-farm unincorporated business and government business enterprises.

2.11 Value of Physical Change in Inventories: Farm and Grain in Commercial Channels (VPF)

This included mainly grain and livestock held on farms.

2.12 Exports of Goods and Services (X)

This item includes current receipts from exports of merchandise and exports of services such as travel, freight and shipping, interest and dividends and other service receipts. Transfer receipts (such as inheritances and immigrants funds, personal and institutional remittances, and withholding taxes) are excluded since they are not considered to be current earnings.

2.13 -Imports of Goods and Services (-M)

This refers to current payments for imports of merchandise and services such as travel, interest and dividends, freight and shipping, and other service payments. Transfer payments, as in the case of exports, are excluded from imports of goods and services.

2.14 Exports of Goods and Services to Federal Government (FGE)

Since the federal government is treated as non-resident in the Ontario Economic Accounts, its current and capital expenditure on goods and services in Ontario should be regarded as Ontario's exports of goods and services.

2.15 -Federal Government Investment Income Received From Ontario (-FGI)

This item is deducted in the GPE Table to balance the omission of federal government investment income in Item 1.5, "Interest and miscellaneous investment income" (IY), in the GPP Table. Such an adjustment, of course, results from treating the federal government as non-resident.

2.16 Dividends Received From Rest of Canada (DR)

Since dividends received from the rest of Canada are included in Item 1.5 (IY) in the GPP Table, this is matched in the GPE Table by an identical item DR.

2.17 -Dividends Paid to Rest of Canada (-DNR)

In estimating GPP, dividends paid to the rest of Canada and abroad are deducted in Item 1.4 "Dividends paid to non-residents." In the GPE Table, dividends paid to residents abroad are deducted under "Imports of goods and services". Therefore, dividends paid to the rest of Canada also has to be deducted in order to balance GPP and GPE.

2.18 Residual Error (RE2)

This item is derived jointly with GPP, GPE, RE1 and is equal to -RE1.

2.19 Gross Provincial Expenditure at Market Prices (GPE)

This value is derived as the sum of all the items in the GPE Table except Items 2.2 GE, 2.5 I and 2.9 VPC.

2.20 Gross Provincial Expenditure in Constant (1971) Dollars (RGPE)

This is calculated as GPE/PGNE, where PGNE is the implicit price index for Canadian Gross National Expenditure.

3. SAVING TABLE

3.1 Net Provincial Income at Factor Cost (NPI)

This item is equal to Item 1.9 in the GPP Table. In deriving personal income from NPI, three items, namely transfer payments, interest on public debt and interest on consumer debt, have to be added and earnings not paid out to persons have to be deducted.

3.2 Transfer Payments (TP)

This includes current transfer payments to persons from all levels of government (such as family allowances, unemployment insurances, Canadian pension plan benefits) and from non-residents. However, current transfer payments by Ontario Corporations in the form of charitable contributions and bad debts are excluded because they have already been included in corporation profits before taxes, a component of NPI.

3.3 Interest on Public Debt (IP)

This is the sum of interest on the public debt paid to Ontario residents by the Ontario government sector, federal government and governments in the rest of Canada.

3.4 Interest on Consumer Debt (IC)

This refers to just the non-productive or transfer portion of interest on the consumer debt. This item is excluded from Item 1.5, Interest and Miscellaneous Investment Income (IY), because it is treated as a transfer payment.

3.5 -Earnings Not Paid Out to Persons (-E)

This item consists of all the elements from net provincial income at factor cost which do not belong to personal income. They include: undistributed earnings and direct taxes of corporate and government business enterprises, government investment income, the inventory valuation adjustment, and charitable contributions and bad debts from Ontario corporations to residents of the rest of Canada.

3.6 Personal Income (PI)

Included here are all incomes received by Ontario residents, the sum of factor earnings from current production and current transfer payments from all levels of government, corporations and non-residents. There are two methods of calculating personal income and both methods yield identical results. The first method as used in the SAVING Table sums up Items 3.1 to 3.5. The other method totals all sources of personal income directly i.e., the sum of 1.1 WS, 1.2 MP, 1.6 FY, 1.7 NFY and two more items: (1) interest, dividends, and miscellaneous investment income of persons and (2) current transfers from government, corporations and non-residents.

3.7 -Personal Direct Taxes (-PT)

This refers to federal and provincial direct taxes in the form of income taxes, succession duties and estate taxes, employer and employee contributions to public service pensions, unemployment insurance premiums, Canada pension plan contributions and Workmen's Compensation levies.

3.8 -Other Current Transfers to Governments (-TRG)

This item includes fees for motor vehicle licences and permits, hospital and medical insurance premiums and other transfers to governments which are not income related.

3.9 Personal Disposable Income (PDI)

This is derived residually by deducting personal direct taxes and other current transfers to government from personal income.

3.10 -Personal Expenditure on Consumer Goods and Services (-PE)

See Item 2.1 (PE) in the GPE Table.

3.11 -Transfers to Corporations (-TRC)

This item is the same as Item 3.4 (IC). It is included in calculating personal income but the same amount is deducted to derive personal saving.

3.12 -Transfers to Non-residents (-TRN)

These take the form of personal and institutional remittances paid to non-residents.

3.13 Personal Saving (PS)

Personal saving is derived residually in the SAVING Table. It refers to the saving of persons and unincorporated business.